

283148USOPCT.ST25.txt
SEQUENCE LISTING

<110> Suematsu, Koji
Hasegawa, Kouichi

<120> METHOD OF JUDGING RISK FOR DRUG-INDUCED GRANULOCYTOPENIA

<130> 283148USOPCT

<140> 10/563,818
<141> 2006-01-06

<150> PCT/JP04/10722
<151> 2004-07-28

<150> JP 2003-281937
<151> 2003-07-29

<160> 19

<170> PatentIn version 3.3

<210> 1
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic DNA

<400> 1
accactgtat ttgtgacaac tc 22

<210> 2
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic DNA

<400> 2
aaatatggat cagtctcttt cc 22

<210> 3
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic DNA

<400> 3
atgttcattt tatgaggag g 21

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic DNA

<400> 4
aactgccaat ccagagctgc 20

<210> 5	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic DNA	
<400> 5	
tctcaccaca ccgcttcaag	20
<210> 6	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic DNA	
<400> 6	
ccacattttc ttcaagcacc	20
<210> 7	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic DNA	
<400> 7	
gagcttgctg ggatctgaac	20
<210> 8	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic DNA	
<400> 8	
atgtgactcg gcgttacgca	20
<210> 9	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic DNA	
<400> 9	
ccttgcatg gaagcatg	18
<210> 10	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	

<223> Synthetic DNA
 <400> 10
 ctatcccgat tcctagatgt c 21

 <210> 11
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic DNA
 <400> 11
 gactcatctg tgactaactc c 21

 <210> 12
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic DNA
 <400> 12
 cctagatgtc agcttgccc 19

 <210> 13
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic DNA
 <400> 13
 tctggaactc cagagattgc 20

 <210> 14
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic DNA
 <400> 14
 tgctgagcgt cttcttttaa tggta 25

 <210> 15
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic DNA
 <400> 15
 gaggcttttt tagaggaaga cc 22

 <210> 16
 <211> 21

<212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic DNA

<400> 16
 catgtcatgg agggagcatt c

21

<210> 17
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic DNA

<400> 17
 gcaaaagtct tcctgcttcc

20

<210> 18
 <211> 143409
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(143409)
 <223> AL162497 an antisense strand

<400> 18
 gcaaatcaaa accactgtgc gatatcacct acacccttta ggatggctat taccagagac 60
 aagtgataaa tgtttgcaga gtgtggagaa aagagaattc ttgtacactg ttggtaggaa 120
 tgtagattgg aagagccatt ctggaaaaca aaatggagct tccttaaata aatgaaaaat 180
 agaactacca taagaccag caaccctctt ctgggtatat atccaacaga gaggaaatgg 240
 ctacctata aaaatattgg cactcccatg tgcactgcag cattatttac agtagccaag 300
 gtatggaaac cacctaagtg tccattgaca gacaaatgga tgaagaaatt cctcgatgag 360
 attggagatt attattctaa gtgaagtaac tcaggaacag aaaaccaaac atcgtgtgtt 420
 cccactgaca tacggaagct aagctatgag gatgcaaagg cataagaatg acacaacgga 480
 ctttgaggac ttagggggaa ggctgggagg aggatgaggg ataaaggact acaaatatgg 540
 tgcagtgtat actgctcagg tgatgggtgc gccaaaatct cacaaatcac cacaaaagaa 600
 cctactcatg taaccaaata tcacctgttc cccaatacct tatggaaaaa taaaataata 660
 aactaaaata aataatgtca catatgtaca acagaatgtt atttggacct cataaagaat 720
 gagatcatcc catatgccac aacatcgatg aggctagagg acattatgct aagtggaata 780
 aaccagacac agtaagaaaa atattgcatg atctcactca tatgtggaat ctaaaaagaa 840
 aaattcaaat ggagatagaa aataaagcag ggttctgggg agatgcaagt tggaggacac 900
 aacgtagccc acatgcaaga tgaacacctc tagagatttc aggcacgaaa tgaggacact 960
 aagggccctg accaccctgg agtaagagct gacactactg ccttcccctg cctcggggga 1020

283148US0PCT.ST25.txt

tcatcaccag	ccacccagtg	ggtgaagagg	aacagtaaga	aagaagccat	ggggcttccc	1080
gcaatagctc	ggtgtggtag	agtctatcta	aatgcagaat	actttgatgg	aggttactgg	1140
ctgggtcact	gccactgagt	ctctatcagg	agctgggaca	gggtggctcc	catgcctggt	1200
tccacagcca	gagaccttgc	tgagtgacat	gcagatttga	gggacatggc	tcatcttcct	1260
gcctgctact	ctctagggct	cactgatgaa	tttctagtga	cagtgtgttc	tagaagttag	1320
ctctaactat	aaaacatttt	ttcaggctct	ccactttctg	aacaatctga	tcctaaagcc	1380
actgtgtgta	tccaaacaag	ggggatatcc	gcaccgatgg	aagggaccac	agaggaacat	1440
agtgagcaag	gatgggattg	ggggagggtt	gcaagagccc	gagctgggca	ttggtagggg	1500
acggtggcgg	tccacatggc	tgggtcatgg	tgtcagagcc	ccagtgcaat	gaggaccggg	1560
ctcctgcagg	agtaggacca	tgggactttc	agcctgagta	gggtagagag	agtgtccaag	1620
caggggaagg	gactgaatgg	aagggtggca	ggcaccaga	aaaatgaatg	gggtttaagg	1680
gggaagcagc	tggagcaaag	tgtgcctctg	ggcagggcaa	ggagggcttc	ggtgtaggaa	1740
gggaggaaaa	ggggctttca	tgtgggcgga	tgggtccagac	aggaatggca	cagcattact	1800
gggcagggag	gatgctggcc	tgggatgcag	gccagtgcct	ggcctcagag	atcatacaga	1860
atttggaatc	ggactgtgca	gggggaggtg	gcaatgctga	tagaaaatgg	caggggtggc	1920
acaggggtgtg	aatgagagtc	acaaatatac	aaaggaagaa	agtgggggtg	actctgaggt	1980
gcttgagtga	actgaagata	ttagcaccaa	ctcatggctt	tccatataga	cagagctaga	2040
gacaaacata	gacataaaca	tctgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtc	2100
tatatgcata	tgctgtccag	ctctgtgcac	tgaggtagac	ccagatcatg	gtatctaaag	2160
cccattctcc	tcttgggatt	cagctctttt	tggagaacca	gctgacccat	gatccagagc	2220
aggcagggtc	cacaatgact	cagaaacatc	ttgaggacct	gctcagagaa	tgacaacaca	2280
cgggccagtg	ggaacagctt	caaaccacca	gcaaagggtga	acagtaagat	aagtaatgat	2340
aattccaggt	tataatccaa	taaataagat	agaaaactac	acatccatac	tgacataaat	2400
acaacataaa	tgaataaatt	aaacgttgaa	tgaagagcag	agtatttaca	cagttttaag	2460
ctagtcctcc	atgtaatact	aattaattac	aaaggaagaa	aggagtgaag	aaaccacaga	2520
caccacctcc	atcagggtcac	cagtgtgaac	atcgtcagta	accgggcaaa	ttgcagtcct	2580
gccgacctga	gagcacggag	tgaggcggtc	ccagggtcgc	tcctgggttc	tcctgccaa	2640
gacgctaaac	ctgaatctgc	tcatgaggaa	gcatcaggca	gccccgtgct	gggggaaatc	2700
ctgcaatgta	actggcctag	agccattaga	gtgtcaaggc	cacgaaagtc	acagaaagac	2760
tgaggaactt	ttccaggtga	atggagccta	ataaaacaca	acagccaaat	gcagcatgta	2820
gctctgagat	ggttcctttt	gtttttaagg	atgtctgggg	gcaaatatga	acagggctctg	2880
agaattaggc	attaggaata	tatcaacgtt	gattatctga	ttctgttaac	tctactgtgg	2940
ttgtgtagga	gcataattgt	gttggtacaa	aatacacact	aaagtattcg	tattcagggg	3000
tgacaagata	tcatgcaggc	aacttactct	caaaagggtcc	agcaaaaaaa	aaattatttc	3060

283148US0PCT.ST25.txt

tgttgtcctt gcaactat	ttt tgtaagtagt ttgtactt	gt taggaaaaaa aaaattcaga	3120
cttcttataa ctaatatc	ct tatgtgtgaa gaaatgataa	aaattttccaa tgaaaataaa	3180
ttcccaaaca cctgggcag	c ctctgcaccc atttggtaaa	ctcctggctt tcatgcgctg	3240
tagttttgac ctgcagtgg	t tcccagggtca catgagtctc	tgctgtaatg agacagggtat	3300
gcctcacgat gtcagtgc	at ggcacatcatg tgaaaacccc	cctaagtttg ccagtgtcct	3360
cagtaaagga cagtgagac	c aacagatgat atccatcagc	tgccaaccca ggagggtg	3420
aaagattgcc tagccctac	c agtgtgggtc aagtaatttt	tgttcttgga atctagtcaa	3480
acgaacaccc aataggaag	a gatcagagaa tcttaggacc	caggataagg gcagcactaa	3540
aaataaccaa aggtatcat	t tattctgtgt gataaacctc	ccactcaccc catcgcgtgc	3600
catcatcgca atagtctgg	g gaagtgaagta ccgttactat	ctcatatggg ccatgagaaa	3660
ctgaaagctc agaaaggaa	c tccaacaaat ttacaagaaa	aaaacaaaca accccatcaa	3720
caagtgggtg aaggatatg	a acagacactt ctcaaaagaa	gacattttatg cagccaaaaa	3780
acacatgaaa aaatgctca	t catcactggc catcagagaa	atgcaaataa aaaccacaat	3840
gagataccat ctcacacc	ag ttagaatggg gatcattaaa	aagtcaggaa acaacagggtg	3900
ctggagagga tgtggagaa	a caggaacact ttacactgt	tggtgggact gcaaactagt	3960
tcaaccattg tggaagtc	ag tgtggcgatt cctcagggat	ctagaactag aaataccatt	4020
tgaccagcc atcccattac	t tgggtatata cccaaggat	tataaatcat actgctataa	4080
agacacatgc acacgtat	gt ttactgcagc actattcaca	atagcaaaga cttggaacca	4140
acccaaatgt ccaacaatg	a tagactggat taagaaaatg	tggcacatat acaccatgga	4200
atactatgca gccataaaa	a atgatgagtt catgtccttt	gtagggacat ggatgaagct	4260
ggaaaccatc attctcagc	a aactatcaca aggacaaaaa	accaaacacc gcatgttctc	4320
actcataggt gggaactga	a caatgagaac acatggacac	aggaagggga acatcacaca	4380
ctggggcctg ttgtgggg	t ggggtagggg ggagggtagc	atttagagat atacctaag	4440
ttaaatgacg acttaatgg	g tgcagcacac caacatggca	catgtataca tatgtaacta	4500
acctgcacgt tgtgcacat	g taccctaaaa cttaaagtat	aaaaaaaaaa aaacttggt	4560
actgtcactc caccgtgt	gt attcatctcc taaggagat	gcttacattc aaagggggtg	4620
caattattct ctctctct	c ctcacagagt aggaacctga	gacacagaaa tgatcagcgg	4680
gctgcctgag atcacatgg	c taatgagggg tgaattgaac	attctcaaata tctcattcac	4740
caccaactcc tcatgtcct	g tgctgcccc cctcccagg	t gggacttgca ggtcttttaa	4800
gaacttgcat tcattgac	c tattttgacg acagtaaa	act ggtagcaaaa ttaatgtgag	4860
cacattcaaa tacaatttt	at tttttaagca gcctgggaga	gtggaaaaag cactcctggg	4920
ctcagcctcc atcacctg	ct agctgtgagc ttctgtacaa	tctcttcact tttccaatc	4980
cccccaatgt ctttcctta	g attgaaatcg actctttaga	atcagcacat tcaaggaggt	5040
aaagtcacag cttgtcttg	c agcccaaacc tcccatccaa	taggcccattg gcaaagaacc	5100

283148US0PCT.ST25.txt

cacaggctgg	gagcttcgca	tcaggcgtcc	ttgtttttgt	ttgagccttt	tctttcaa	5160
atatggataa	tgaccacgtt	tggggctaaa	cataaagcat	tctattcatt	aggaccatgt	5220
cacggacttg	tggcatgtgg	gaaatattac	catggctacg	gaggagggtgc	gtgtggatgc	5280
tggcagcggg	gagggagccc	atgcctgcct	ggttgctgct	aaacaataag	tcaatctgtg	5340
tttacttggg	gtgttagtgt	tctgtttccct	ctcacctcct	ggagaccaag	gatgtctccc	5400
tgacatcaag	ctgagcagtg	ggaagctgag	atatgagaga	agaaagggcc	tccgggggac	5460
tgtgtgcagg	tgatggccct	ggagcttcca	ttcaattatt	ccaccagcat	gcaccgagtg	5520
actgccatgt	gcaaagcaag	ccagcagtaa	gctacattct	atcaaggaga	caatatggag	5580
aaactctgca	aggagcttcc	acacaccgga	tgccctttca	tactcaaaag	acatagtttc	5640
catgccagtc	ttagggcagt	aagtgaaggg	ctacaattag	aacagacgaa	tcccaaaacg	5700
cagagcctct	gctgtgcg	aaccatgagt	cagcacctcc	acggtgcact	aagcgtgagc	5760
tggcacctcc	acggtgcact	aagcgtgagc	tggcacctcc	acggtgcact	aaccgtgagc	5820
tggcacctcc	acggtgcact	aagcatgagc	tggcacctcc	acggtgcacc	aaccgtgagc	5880
tggcacctcc	acggagcact	aaccatgtgt	aggctttgaa	ctagtctgtt	ctggaacctt	5940
gctttgctca	ggaggttttt	tcctgttcct	tccctgtgtc	cagtcctctt	gagagaggaa	6000
aaccaaacca	tgctgccgct	attccctttc	ttgataacaa	tctgaaatca	ttctggccaa	6060
actgggatgg	gcacagtgtc	tttccacatt	gacttttttt	ctgcttccca	tgtttaggct	6120
caaatttcta	aaacggacca	gagatgtaaa	agggatattc	aagtataaag	tcctgtataa	6180
acgtaaggca	taaatattat	gatcctcatc	acttttagga	gagtgaggta	gaatgatgat	6240
tttaaaaatt	aggaacaaag	ttacttcttt	gatctcttta	ttagccactt	ctaataatcc	6300
ctgtcccact	catcctaaaa	cctccagccc	cctccagtct	cccatccagc	cacacacaga	6360
attaccacaa	tctaaatg	ccctttgaat	cagacaatac	tcctattgct	attaataata	6420
atatattgg	tagtcaccat	tataaagatt	ttacaaaata	catttatggc	atcaccagcc	6480
aacacataac	aggttacttt	tattaagttg	catttgttat	ccctgatctt	cacaggattc	6540
ttacaagaca	ggtattaata	tgcccacttt	tatggttggg	gaaggatgat	tcacagttac	6600
ggaaacttgc	tcatactcag	gaggaagcta	agccatcttt	ctggcccact	accattgttt	6660
gatttcacag	tgctggacag	ctggtgtcac	cctcagaggc	cataggtaac	cacatcccca	6720
gatccttaac	agccaggccc	cccgccacca	cataactttg	ggaaacacgg	aagcccggaa	6780
tgcagcccca	tgggctctaa	tccagggtcaa	ctgggtggga	caccccggcc	ccgcgtacag	6840
gcacccccac	cccggccctg	ctacctctct	aggtctgaaa	gccccagcaa	taagtctcat	6900
cggacccgag	ctgcgattat	ttatgccttc	ctttcatctt	tgcttcggtc	tcttggtcag	6960
ggtgatttct	tcaccccttt	tgtagaaggc	ttccctttgc	attagcagct	ttgctatagt	7020
tctagaataa	atgagcacag	gaagaagacg	ctgtcatacg	ggaccgatcc	gtgtccacat	7080
gaagtcatca	gatcggtatg	ggtgagtggc	aggcaaatcc	ggtgtgggga	agcggcaaag	7140

283148US0PCT.ST25.txt

cctgaggagc	ctgcacttat	caaagattaa	acactttcag	gttcttttaa	ggacaaactc	7200
tgagttttcc	cagcgtagta	tttgagctat	ttgagggctt	gaaaagatat	cacacagggt	7260
accctgcgtt	ttgacagcct	ttccttactt	taatccaagc	ctgtggcaaa	ctggttgtaa	7320
actattactg	aagaaatggc	tctatatatt	tattctctct	ctctttctcc	ctctcttccc	7380
gtttgaaatg	aaaacacagt	tctttcatta	gctcattaaa	aaattttact	ctttgtgaat	7440
attttgaaat	cacagagcag	atatatat	tatatcaaag	actccagtga	aatattgatc	7500
acctgtgtgt	ttcactccct	aaattcacca	taactgtgcc	tacgtggctt	gtttcaaata	7560
cacatcttac	cctccagttt	gaagttttaa	tcattgtggg	aggcgttgta	cagaggattg	7620
cttttttatt	ttctgtgctt	aagtgcaggg	cagccaaaac	agaacataa	ttatatcgtc	7680
agagtcgata	agcgcatcaa	gcctctatca	gatcttgctg	ggctcagcaa	ctgcctcaca	7740
ggaagtgtgt	gggagctctt	ccgccaccaa	atccatttgg	ctctatttag	gaactaagta	7800
caggaaggta	gttattgtac	aagattagtt	tcctgtaggc	cataaattgg	cagtagcaga	7860
aaaatacagg	atgaatttat	tagcgtgcaa	ggtcagctag	aaggaagaca	aggctgagcg	7920
attgcgcttg	ttttctttca	tttagccac	ctcctggacc	tcagggtgta	aaaagaccct	7980
ctaactactt	aattacttct	taatagtttt	aagcaaattc	aaaaggcctg	cgcggtgcta	8040
agtgcctgag	gtaagagctg	cctgggctag	gttaggaatg	cctgtttgga	ctagagtttc	8100
tgaaacctga	ctaggcccct	tataatctga	ggctttgtga	gttttctgcg	tttttttttt	8160
ttttttcctg	ccttatttgg	tgttgattgg	ccaagcattt	actttgaagc	tagaatttta	8220
tacttgggaa	taaaggagta	gcttctaata	gtgaaaatat	aaaatccatc	aagtcaaaaa	8280
tattgtttcc	aaccagaggt	atgataatgt	gataaacatc	tctgtagata	tttgctttaa	8340
agagaacaag	gacagattgc	atttaaaaaa	atttttttta	aagaatacca	cttcaaaaac	8400
actcatttaa	aggtagccca	aaagggtgaa	tgacctcctt	acacagacat	ttctaccttc	8460
aaggagaaaa	cctcgctcag	ttacctgagc	ctctttacca	tgtagacac	atgtaattca	8520
cattttaatt	atactcagca	tctgcagtga	gttatgggag	accttcctt	ctccatccct	8580
gcttccactg	ggcctgctca	cgctgcctct	cctcacagat	accttgggtg	agcatacagg	8640
gctggatgcc	tgaaagtaga	aaggcagagt	cctctctgtt	ccttcctaga	agacaaccct	8700
gttttggaat	atgctttcct	gatttcttag	taaactgcag	cactttgatg	ctgtaaaaag	8760
cctcatgatc	agctagcacc	agctcctgtc	ctgccatttg	caaacaaagg	gccaggttaa	8820
ccttccactg	gtgaggccat	cctcccctga	gggcagcccc	gaggggtgag	aggagcctga	8880
gggaggaagg	cccgttcaga	gacagacagg	gctgctgttc	ccggagggtcc	aagggatgtc	8940
actgcttctc	tattgtggac	atttgtccaa	gctgtactgt	cttgataaaa	gagtttgaga	9000
gcatttcgaa	agcgcagggtc	ttaaaacaga	tctccagggtg	aatttcacag	cccccttccc	9060
cagagcacag	acgcagagta	ccccacacag	tgttcagggtg	cccagccttg	ctctggggta	9120
gggtgggggc	aggcattgca	acgctccgac	atttgcctgaa	cgactgggtc	acagtagctt	9180

283148US0PCT.ST25.txt

ggctgatttt	ctgttcctgt	cactccctgg	agatgtgggt	ctgaggtgag	ctctggcacc	9240
aagcctacct	ctctggcatt	ggctagagcc	tccgtgtcag	gccagagtca	acctctcgta	9300
acctttccaa	agccaattat	cacaacacag	attcagaaat	taagggagaa	gttcaaagcc	9360
caaattgtgc	cagaaggagc	cttcgcaagg	cagtctgagg	ccaagcagtc	gcaggcagtt	9420
tcttcattta	ctcaccaggg	aagctgaagc	ccggcattcc	tgaacaaaag	atagcttttc	9480
ttttccttcc	catgttgttc	tgaagtaggt	tttagccaat	cccaaaaaat	ctcaaatcaa	9540
caaattttta	gccctaaata	atgatggggc	caattacctg	ctctctgcca	agcatacgac	9600
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaacataaca	caattcttca	9660
ctgaatctcc	tggatttctt	agtccaggca	ccctcagaga	catatgctta	gatcctacgt	9720
ctgcttctat	agaaaataca	aaggaacgta	gctctggaaa	ggagggagcg	tgagattctg	9780
agccagaaat	gttcctgata	gactttgaaa	atgatttgga	agttcttgct	gactatctcc	9840
ctgctatgaa	gccgccccga	gttagatgtg	aagactaaag	tggaagcctt	cagcagcctg	9900
tcctcaccag	cctgtctctc	tgtcttccac	tctaccctgg	gctgcgaccc	tgagcagagc	9960
agccagctgc	agtgttactc	cattgctgga	gggctcctct	gtgaaccac	aggaaggctc	10020
ctgcctcaca	gtgggtgacg	gtgcctctc	cacctgctga	gtgggtgtgac	ctccacacct	10080
gctgggacgc	atggtggctt	gaacctcact	gtctccactt	tgcccagcag	caatcttgcc	10140
tttctcccc	cacctcaaga	caccaccac	ctacctctgt	ggcttcacag	ggcagatgcc	10200
ctgttaagtt	gtggtgcctg	tccccagcac	tgtttagggt	ttttttgtt	ttttgtttgt	10260
ttgtttttgt	tgtttttttt	ttgacggagt	ctcgctctgt	caccagggt	ggagtgaat	10320
gccaagatct	tgctcactgc	aacatccgcc	tcctgggttc	aagcgattca	cctccctcag	10380
cctcctagta	ggtgggacta	caggtgcccc	ccaccaagcc	cggctaattt	ttgtattttt	10440
agtagagacg	gggtttcacc	atgttgggcca	gactggctc	gaactcctgg	cctcaagtga	10500
tccgcctacc	tcggcctccc	aaagtgtgta	gattacaggc	gtgagccacc	gctcccagca	10560
catgttatta	aagtcattga	caccaccaag	tgctcagctt	cagaacagcc	atgactgtaa	10620
ctgttagacc	caggaatggg	aagaggaaaa	agagtcttca	gggccaccaa	gttcttttgc	10680
tgcaaattctt	gaaaggttat	cagaagcata	aaattgatta	tcttcacca	caccagcaa	10740
ccacacacac	gcactcctga	cttagggaaa	gttatatgct	gtcgaagaac	cagcggtagc	10800
aaatgctttt	cctcaccagt	gagttcagaa	aatcctgcat	ttatctggcc	caaagtccgc	10860
atctcagata	aagtctgaac	gtgataactg	cagaccaaca	gcagtcctat	cccaaagctc	10920
agtcaaagcc	actctcaagc	cagagaacag	acaggactca	gacaggggtca	gaacacaaca	10980
gtgcaacatc	actgaggaag	taaacaagtc	accaaagaaa	caccagagaa	attcgtggac	11040
aatattccag	gcattaccat	gttaggggcta	gcatgttaaa	agacagcata	ttgtattggg	11100
gtgttttttt	aaattcttac	tgaaaagtta	gaaaatgagg	aaacaaaatg	tggtatatat	11160
ctctttaatg	gaatattatt	tagtcataaa	aaagaaatga	agtgctagca	cacactacaa	11220

283148US0PCT.ST25.txt

cgtgcatgaa cctttaaaca ttacgttaag tgaaagaagc cagacacaac atataacgta	11280
tgattccatt tatatgaaat atccagagta cccaagtcaa tcatgacagg aagtggacta	11340
gtagttgtaa gggactagga gtcaagagaa atgggggtgtc atggctatgg ggcttctctt	11400
tgggatgata gaacattctg aaattagatg gtgaagatgg ttgccaaactc tgtgaataca	11460
cgaacaacta ctgaactaca ctcccttttaa aagttggtat catgatatgt gaattacatc	11520
tttatggtga taaaataaat gagggggcggg ggcagaaaga aacagaaatg aattccctta	11580
tccaatatgt cttcacattg gccttcatgt tgagccactt ttatgcagca atctgagaca	11640
aaggccacta ggacttggat gggtagccaa tgttacaatg aaaccttcaa gaggacctag	11700
tcaactcagt ttcctggcta gctgacatgt ccctctttga gttttagttt taatgaacct	11760
gctaattcca gtggaactaa ggcctctaga aagaactgcc aacttgggtca agaccttagt	11820
agtctgaata acgttggcct ggaaaccatg cacgtttacc tattttgtaa caaaacccca	11880
actcaatgaa atgtgtttgt ctttaactag tctcagggga ttacattttt gccatctata	11940
gggcaggggt tcctggccaa cttgagctgg atttgcaggc aagcagattt cccaacctag	12000
gtactctagc tttgtgttcc cttatgcact tttccaatga ccggatgatg gcaagcccc	12060
tggctcagat ccccaaattt ccacatcagt aaatgttgag aaagaaatta tatttcttaa	12120
ttgcttagaa accgaagaca tacaggggaa atggcatcgt gtcctacact cgtggatctt	12180
gaagacatga aacagaccta ataaaataag aatataaaca gacaacagag atttcgtctc	12240
tcccaatcgt caggcatttc agtggatctg tgctccttgt gagccgctct acggtggtta	12300
agtcaaagaa aaaaagcaca cttcccaggg cgacaacgga ctctctatta gaacctgtat	12360
agtttcctag ttttcccttg tttataccta gtttccatt attatctaca aagatgtttg	12420
ccagttccag tccttaatga tccatgcata cattcctctc tgggttctga cctctctccc	12480
ttcagtctca cctctgcac ctcgctaatt gtggcttatc cttcagctt gccctgttga	12540
ttcttgatgc caattcctgg agaggcta at cctcaactct ctcacccctc aaaagaaata	12600
aacaaatgaa ttccttccac attctgtctga ccataatcac tgaaggatgt gcacagcgag	12660
ggctaattgc ttgctggctg gctggttgtt tggttggttg gttggtttgt ctctatctca	12720
gcaatctctg attaattcat cgttccctct tctaaattct aggacctgga aaaaaatgcc	12780
tgccacatac gagaaattta acaactatat gctagatgaa tgacggttaa cagaactttg	12840
tggcttaaat ttgagacaca aaactatgtt gtaggctcta cggatcctta aatgtaagaa	12900
ctgggttttt tgtttatttg acttggtttt tgtcccaaca tctctacca agctctatgc	12960
ttggtgtgcc caagcataga gctaggagac aggacacttg ggcttgaatc ctggctgcca	13020
caggtctttt gatgacctca gataggggat gcgtcctctc agatggacag tcagctacat	13080
agaagcagaa actgacaagg gactcaagga ggaagctcca acttgaattt cagcctaaag	13140
gacagtgcaa tgagtatctc ctggattccc agtttctggg accatgtgtg ctccccacac	13200
ttcttgga aa tcactgtttg atgaatctgg cttctccact ggagtatgag cccctgataa	13260

283148US0PCT.ST25.txt

tgaaggctga	gtcttgttta	cctccaggcc	tgcacatagt	aggcacataa	tgaacagctg	13320
cagacaagct	gaacttcaaa	catcatttga	aggagagtaa	agtctgagtc	agatcttttag	13380
tatcagttgt	ttcctgttaa	aaataacatc	ttttatttga	aaaactgttt	caagattgtc	13440
tgccagggtg	aaagtcaagt	caagttcctt	gctgttccca	gtgtaagaat	aacatgagta	13500
aaattcacag	tataacccgc	tgggactctc	agaaatctcc	ttgttctttc	cttaaggctc	13560
atgatgccat	agtaaagact	atgaacaacc	aatccatgaa	ttctattaca	aaactaaaaa	13620
taaacagggc	agtgtctgtg	aattttttta	aggcactatg	agtataccag	ataaatagtc	13680
tttgttggca	gtaggaataa	aaacttccaa	tactcctgca	aagttataag	caaaatttgt	13740
tagcttcatt	ttttttat	tgcagagcaa	ttctattatt	attgaatagc	atgtgatgtg	13800
gtttggctct	gtgtccccac	ctaaatctca	tctctaattg	taatccccct	gtgtcaaggg	13860
ggggacatac	ctgggtgggag	gtgattggat	cacagaggag	gtttcccaca	tgctgttctc	13920
atgatagtga	gttctcatgg	tttaaaagtg	gcagttttcc	ctgcacgctc	tctctctcct	13980
gccgccatgt	aagacttgcc	ttgcttcctc	ttcatcttcc	accgtgattg	taagtttcct	14040
gaggcctccc	cagtcatgca	gaactgtgag	tcaattaagc	cttctttctt	tataaattac	14100
ccagtctcag	gtagtatctt	tcaagcagtg	tgaacatggg	caaatacatc	acgccatgat	14160
gataattacc	gtttttaagt	gcttatgcct	gttaagagct	gttttactca	tattacctca	14220
gtggaactct	cccattcctc	agtaaggtag	ccactgggat	cacctctatt	tgacagggtga	14280
tgacacctgt	acacagatct	ggtaagtgtg	aggattgaaa	tttaactcag	gctgtcttgt	14340
cctagcactc	ccacctccac	atgaacctct	tagcactgcc	acaataatca	aagcacagct	14400
gtcagagatg	gcaacccagg	gcaagatgat	ttttttattc	tacattttgt	atattgaacc	14460
tttagagcat	taaacagtaa	atgccagagc	ccaacttata	aggctctatga	aaagggtcaaa	14520
gtctcctttt	acttcatcac	cactggagaa	aaacctaaac	aataatagta	accaaagtcc	14580
atgtcttctt	ttagaagacc	aaaattttga	gttcctctat	tatgagtctt	tgatggagac	14640
ctgtttaatt	ttctttctgg	ggattttaca	caaatctatt	tttttttaat	tcttcattct	14700
ctgtttttgt	aatgggtttta	agggataatt	actatttttt	taaaaaaact	taatgagtta	14760
cagaacagtg	atctctactt	aaaatttttg	tacactgctt	tcactggtaa	cagtatgggt	14820
tcgtgctcca	accccagctc	tgccacttac	agaacactgg	ggacctgggc	caagttattc	14880
aacttctctt	tacctcagtg	ttctctgtaa	aatgggaata	acaatagaac	ttctgggtatt	14940
aggctgttat	gaggattaaa	aaaaattcat	atttacaaat	tgcttagaag	agtgccctggc	15000
atataataag	tggctctgaa	ggtgtttgtt	ggataaaaaa	caacttttgt	ggtaattttg	15060
ggctggagga	aggacaaaca	agcaaacgtg	ctgagccgag	aagactcagg	ccgcacacct	15120
cccgttgggtg	gtgcacatta	tagatcctgc	cagaactgaa	gagagaagct	cacacaatag	15180
ggtgaaaagg	ctgggcttga	agtaagggtt	tgctagggag	aatcagatta	gaactgcatt	15240
tcagaaaatc	tgatctggca	gggatggatt	ggagaaacaa	aaaactggag	gtagaaaaga	15300

283148US0PCT.ST25.txt

atagccagga	gtttagaggta	caacccatct	gtgaatcaag	ggaacccaaa	ggcagatggg	15360
gttggaatga	gggtgaaaca	gagagaaggg	aatgggaggg	ttggggggag	gcactgggggt	15420
aactctcagg	ccgagaattg	ggcagcaagg	gctcaaggct	tctgcaagaa	acaggtaaaa	15480
ggggagctca	tttgaaagca	aggttgagtt	caaatgcttt	gaatagttta	tgtcaaaggc	15540
aaggggtggg	gttcagggtg	agatggatac	cgtgcagttg	aaaacatgga	ctaggggttca	15600
gcagtcagag	ggattaaact	ggggatgtgg	aagtcgtttg	cctagaatga	aagttgacat	15660
cttagaatgg	atgcaattgg	cttagattga	ggaaagacta	gatgagaaaa	gaggggttaag	15720
ggaaaagcct	gagagaacaa	catttagggg	ttgggaagga	gaaaaagaac	cagtgggaagc	15780
aagagagatg	aagcaaaaga	gcctcaggat	ggagctttcc	ggaaatggag	agtttccact	15840
gggtcagact	ctgcagaaac	tgcagaggct	aatagattaa	gaaagccatc	agactggggca	15900
gtaatgtggt	tcctagtga	actcagcaag	caacgtcagt	cattcaagga	gatgggggtga	15960
gtagatgata	agaaagtaga	taaatccaag	cttcccaaac	tgcagaggat	aggcctatgg	16020
ttcccaaact	acagtggata	gatctatggt	tcccaaatta	cagtacctag	ttctcatagc	16080
tttttacggg	cacgcttact	cccacacca	tctcactggc	catgatttaa	tcagaagacc	16140
acaaataagt	gtaagcaaga	ctaggagatg	cagcctttat	cccagatgat	gacgcactca	16200
gctaagcact	gagaattctg	cacctaggaa	ggaaaacgga	catctggtag	acctcagctt	16260
cctctgcctc	atgttgggac	agattattta	ttaagaaatc	caaaagctag	gcatgggtggc	16320
tcacgcctgt	aatcccaaca	ctttgggagg	ctgaggcggg	cagatcattt	gaagtcagga	16380
gttcaagacc	agactggcca	acatggcgaa	accccgtttc	tactaaaaac	acacacagaa	16440
aattagctgg	gtgtggtggc	acatggctgt	aatcccagct	actcaggagg	ctgaggcagg	16500
agaatcgctt	gagcccagaa	ggcagagggt	gaagtgaagc	gagatcgcg	cactgtactc	16560
cagccctggc	aacagaacaa	ggctcaatct	caaaaaaaaa	aaaaaaaaat	tccaaccatc	16620
aatgggcagg	aagggataag	ggattggctg	taaattgggg	gatggcaaaa	atcaaaagtt	16680
agtcttttgt	tttctttttg	cttttttatt	gttttgtctt	ttcctcataa	tttgggatct	16740
gtctaaatat	ataggtaaaa	caacagagaa	acacagcagg	ggtgctactg	agaaagattc	16800
ctaaagagat	gggaaggaga	aactccaatc	caaattccat	acatgcaagg	ttatTTTTTT	16860
agtcttgaga	acagataaag	taaaaagtgt	tgctttgata	gactagtcag	aaatttaaag	16920
tttctataca	tgcagaataa	tatatcatat	ttgtttcctg	acccttctat	aataaagtac	16980
cacaaactag	aggcttaa	gacagaaatg	tattgtctca	cagttctaga	ggctagaagt	17040
ctgagattca	ggtgttggat	ctgccagaca	gcatggctca	cacctgtaac	tccagcactt	17100
tgggaggcca	aggcaaacag	atggcttgag	cttaggagtt	caagaccaac	ctgggcaaca	17160
tagagagacc	gtgtctctac	aaaaaataca	aaaattagcc	aggaatgttg	gggaacactt	17220
gtggtcccca	ctactcagga	ggctgaggtg	gaaggatccc	ttgagcctgg	gagccggagg	17280
ctgcagcgag	acatgattgc	accactgcac	tccagcttgg	gtgacagagc	aagaccttgt	17340

283148US0PCT.ST25.txt

ctcaaaaaaa aaaaaaaaaa gtcaccggat ccttccaagg gaaaatctgt tccccgtgct	17400
ctcccagtgt cttctggcct tggcctccct tggcttgtag gtggctgtcc tctctctgtg	17460
tgtcttcaca tcatcttctt ctacagggtgt ctctgtgtcc aaattttccc gttctataaa	17520
aacatcagta atattctact agaggcactc taatggcctc accttaacca tctgcaaaga	17580
ctcaacttct aagcgagggtc acactgggtga gtgagcatgg agagttagga cttcagcatt	17640
ttggggggaca caattcaacc ccttaattta agaacagtta tgacaatgtt tctatttaaa	17700
aacaaattcc attgttatat aatttcctac ctaatgctat aaaatcccca atttcattca	17760
ttgagggttct ctataaaaaat ttaaaatgta attaatactt ctgtacttct gtcaaacatt	17820
ttatatatatt gcttttgaaa gtttccttat ccatatacat ctgaacacaa attggcaacc	17880
aattttacta aagccaattt tacataagga cagagaaatt atgttaaaat tcaagggtcaa	17940
cattcaaatt ctgaatctta atcaagagta attatgaaag caaatgttat gtatcacatg	18000
gaaagctgta taggaatgta cggagcagct ttattcatca tcaccaatg gcccaatggt	18060
ggaatcagcc caggcatcct taacagctga ttggtgaaat aaaccatggt acctccctac	18120
tgaggactgc cgttcagaaa cgcaaaggaa ccaagtacta atacaacacg ttgaatgaat	18180
cttcagaaaa ttatgctgag tggaaaaatc taatttctca agatgacata tgattctttt	18240
tttgtaacgt ttctgaaatg acaaagtttt agaaatggaa gacagattac ggtaccaga	18300
agttagggat gggggaagtg gggtgagagg gaagaggcta tggaaattgtt cagtgtcttg	18360
actctggtag tgaatataaa aacttacaca ggagagaagt ggatagaact taacacacac	18420
agagacacac acatacacat gcacacacgt gtgcacacag gcacgtgtac acacatgcat	18480
gtgcacacat gtatacacat gcaggcacac actcgcaaat acacatgcat acacacacac	18540
acacacacac acactactgg cactactgag gaaatctgaa taaaatcagt ggactgtgtc	18600
aacgcccata tcctgggtgt aatagttcca ccatgttttt gcaaaatatc accatggggg	18660
caagtgggta cctcaagtct ctctgtatta tttcttgcaa ctgcagggtga atctacaatt	18720
atctaaatga aaataattat ctaaataaaa agtcaattat ctaaatagact atttttgtaa	18780
tgaaaaatag tcatctcgag ccttggcttt atgtattatt aaacctatct attttgaaaa	18840
caatttttat actttttaac tacagagctg tgatgaaatg caatacaaat attataaata	18900
ttattttttt aacacatcaa ttagtcacca caaagacaaa aagcagagtt aaaaggaaaa	18960
gtcaaagagg aaatgctatt ctaggaaact aaaatagcaa aacaacatcc aggtagatta	19020
gagatgagaa agaagactaa agagaatcca ctcagataga tagatagatg atagatagat	19080
agatagatag acagacagac agattaaata ttaggtactc tggtccttga ttgaaaacta	19140
agattcaaag ccattttattg tgggttcata aatctcccct ttataataaa aactctacct	19200
cattattcaa ttgatttcat tatttctagc agacttataa aggctaaaga aaaaagtagc	19260
taatgttgaa aaccacaag ctttatttac aaattacatt ccaaatagaa attcttttcc	19320
atttatgcct ctgaacaatt atcatattaa atgcaaactt tgctcacctc tctctgtatc	19380

283148US0PCT.ST25.txt

tgaattgtca cattgtctca atcagggttca gcctgaccac cctgcttaag attgccctta	19440
gcgcatcacc catatctttg ttttcctgtg tgtacaatat ttatgatatt ctaccatact	19500
gcattatgta cttattatgt ctatagttta ttatctgtct tcttcttcca gaatataagt	19560
ttaataaggc agggattttt tttgaagggg cgggggaggc atacgttaat gtacctggaa	19620
catagtaggt gcataatcaa tatgtatttg ttgaatgaat gaattttagg cattctatgg	19680
tccaattttc agtgcaaact ttttaggtag agactaaaaa aggaaataaa actgtgtgta	19740
acttcttggt gttgttgcca ttgttgca gacattgttt ttatggcata aacactcaga	19800
ctgaggcaag aacaaaggag tcgaccttgc catccctaca ataaagttcc taagcaccta	19860
taatgggaaa aacagtgtga taaatgttga aaagtatttt aaaaaaccaa gacatggtca	19920
tgttcttggc agtttacagt ccagaaggaa tgccaaaaca catccacaaa taccaacccc	19980
accagctata aaatgatcaa taccataaga gagatatagg caaattctac caaaaaaaaa	20040
aaaaaaaaaa aaagagctga ctctgagtg gagggcatct gggactggat ttgaggatgg	20100
aatagcactt cagtttatgg agataaggta ctttctggga ggaaccttg tggagaagct	20160
gaagcctcag cccatatggg gagctttgat tggcttagga agcagagatg ggacacgaaa	20220
ggggaagagg taataacggg tccagatgag aaggtccagg gactaaataa ggaatatcgt	20280
acatggtgaa gagccaagac ggtgtgcagt taactagaaa acacagaatt acacaatagt	20340
gctaattgta acctatgaac catagagcca aggttcagca atgggggcat gtgccattag	20400
ggcccagagc agtggtgctg gttgtcatgc tcagaagcaa ggcaagggtc tccaagctac	20460
cttctccaag cagaattgtc tccaggtgtt ttatcagctc tttccctgcc ctcatcagac	20520
aaggacatca atgatggtct gtgtcgtgga gaccctacat acttcctgga tgtattgggg	20580
ttagatgtga tgggtattaa ggggtggaaa cagagttatg tattcacaac ggagttatgt	20640
attcacatga gatgtgtttg ctgtaactaa ctgcacttgg gttccatcgc agttcaccat	20700
ctctgtttat ttcccgatag agttcaaggc ttaggctcag tctgcaaagt agaatctacc	20760
tggctgttca gatgatgagt agctggggca aaaccttgtc ttctggatac tttaccaact	20820
ttccagccag cttctccacg aatcccaaca ttgcacacaa gtgaacatgt gtttccaaac	20880
acaaggatgg actgtgttga ctgcccattc tctccagcca cctgtccctc atcctgcacc	20940
agggcatgct cttgtgaaac agcacaccaa ggtcaggggg catggcagag ctgtgagcag	21000
gaccagtggg agcgccacat tccaggcaca gggcctaaac aatgacattg gccacttcgc	21060
ccacatcctc cttttggcta tgtgcgatgc aaaaacttaa acaagtttct gctttaaatt	21120
gtaaatgcaa caaataaaaa catttatact aggcttgtat tccagagtat tattttgtca	21180
tctttttgtc aacattttta gtaaatttca gtaacacatt tttccttttt tataatcatg	21240
gctgattgcg ttttttttgg gggggaggcg ggagacagag ttttgactct tgtcaccggg	21300
gctggagtgc aatggcacag ctttgattca ctgcaacctc cgctcccgg gttcaagcaa	21360
ttctcctggc tcagcctccc tagtagctgg gatcataagc atgcaccacc acccccagct	21420

283148US0PCT.ST25.txt

aattttatat	ttttagtaga	gacagcgttt	caccacgtta	gccaggctgg	tcttgaacta	21480
ctgacctcag	gtgatccacc	cacctcggcc	tcccaaagtg	ctgagattac	aggtgtgagc	21540
caccgtacct	ggccctgatt	gctttttata	cataaaaaca	gaaaattttt	aaaattagat	21600
caacatacag	aaagagcttt	aatttggaag	gaatttccaa	attgttctaa	taactccttg	21660
tataacatga	aaaccagatt	tataccataa	caacgtatgt	atttgttcat	tttggggatt	21720
ttggaaggaa	aggggctttt	tccataatcg	tatgtcataa	tcattgtcat	caccactga	21780
actaaacact	taccatgcaa	tagttatttc	atgtcttcct	catagatgtc	cgggactgat	21840
gattttattca	tcttattttc	cagctgatgg	aatgaagtt	tagagtggcc	aaacactgcy	21900
attacatagc	tgacaaacct	caggtttatg	attccaaatt	ctatgctttt	cccaaacac	21960
tgcattcttt	gcacatagcc	agtgtggtg	tgtacacaca	catacacata	agcacagagc	22020
ctgcgaagtt	ctgaacacca	agcggttcac	tttagtgcct	cctccttttc	ttctacaagt	22080
tacaagctcc	ccccaacgtt	atttcaagca	gagggtactt	cagaactaaa	acagtatctg	22140
acagtgcctg	gctcaaacac	ttccaattcc	ttcctagagt	aagtaggaaa	gcacagaaaa	22200
ggataaaaac	acaagcacag	acaggtggac	ctgtcgatcc	acaaaccccc	tgccagactc	22260
tgggagatgc	tggtgacagg	aaaggacagc	agacctggac	cgggaaacac	aatccacagc	22320
cttgtgcaga	ggctggaatg	aagtgcgcag	gcggcttgag	ggaggagccc	cacacaactc	22380
tccttaccta	ggagctggct	cacctgacct	actagagcac	agcaactggg	tttgtgaaag	22440
aaaaaaaaga	aagaaaaaac	agtataaat	aacatagggt	caattgtttt	gacagtaaaa	22500
ctcattccaa	aatacagcag	aggcgtgtgt	cctccacgtc	tcgccttccc	cacagagtga	22560
gcccttcac	tctccaaggt	cagtctgttt	ttagcccaac	gttgcttgaa	cctgtcatct	22620
tccctccaat	tgcaccatca	ctgtcaatgc	tcccaccatc	acagtgtctc	caccatcatt	22680
agccctccct	tggcttccta	gaaagggtcac	cctgtcttaa	tcttgacta	ttttaatgag	22740
ttctgcactg	aatcaagag	tgtcttcaca	aataccaacc	tgagtctcct	ttcctcatgc	22800
tcccatactc	atgaggggct	ccaccaatgc	caacacgtgc	ctcctttccc	catgtctcca	22860
tactcacgag	gtacaaagcc	catgtctacc	ttttttacct	ccctccctcc	agtccacacc	22920
tggccatctt	gtcctccccg	agcttggttc	agctaaatag	tccctgaatg	catcaagttt	22980
gttctcagcc	cctcactcat	gagctttctg	ctccctttct	ctgcctagaa	tgttcccatt	23040
ccctcgggtc	tccttcactg	gacttactcc	ttttcatcct	ttcagatgta	gctccaggaa	23100
aacctcccac	caccctgtagg	caaagtcaga	gtgctttctc	cactgcagtt	ctgaagacat	23160
tccccacacc	ccatcacaag	cacagttgag	ctgtgatcag	gtgctcatgt	ctcctctacg	23220
gtaaactcct	ggtgatggct	tcgggtcattc	cttcaaaagc	tttttatgag	cccctatccc	23280
acagccagca	ctcccaacat	acagcagtg	aagcacaggc	tctgtgactt	cgatgctcgc	23340
aaataggcaa	ttgtataaat	aaacaagata	attgctgaga	atgatggatg	cttcacaact	23400
gtagcttttt	cttttctatc	ccccaagatc	caacccatt	tttgacattt	aaaaaaaaat	23460

283148US0PCT.ST25.txt

gctcaataaa	tgtgtttagat	gaatataaaa	tggcaagtac	catcgtgatg	acggtaataa	23520
agtttttagat	gtagaaaatg	agtgataaac	agaaatacag	agaggaggag	aaggaggaga	23580
tgaaggatta	aggagaaatt	taacattgaa	ggttttagaga	aggttttttc	ttgacttttt	23640
aagacagtgg	caaaagggtg	gaaaacagag	ggaagatgac	agattcgttg	atacattgat	23700
aggaaaaaaa	gcagtattga	gtgccttctt	gaaaagcaaa	aggaataact	tctctgatat	23760
gagcttaaaa	caggtatgtg	aacaggtaga	aatgagttgg	tagaaaagta	acctgaaagt	23820
tgaggggggt	tgtcctgatg	tatctgtttc	ctttaaaaag	tcaaaatcac	agttgggtgt	23880
tcagtgtgga	gggtggggaa	gggataaggt	aggagttggg	ggaaaatgaa	aatgggtgaaa	23940
gtatgcaatg	accgtttgtg	gcaatgggaa	aggcagcttt	ctagaagctg	aaacaggaca	24000
cccctcccc	cagccccctg	cagcagcatc	aatgcagcca	catccctggg	tataaactct	24060
gtgacttccc	atggaagagc	tctacaagct	gaggtgcaga	gagggaaacac	tcgctaccaa	24120
gaaaaactca	aagcctgaca	ggtctttggg	tcatgaaagc	aaataaacca	caacaggagt	24180
tcacgtcttc	agaaaatgac	ttgtgctggt	gtctaataat	gcctggggct	gtgggggtggc	24240
aggtgcaagg	tcagagccaa	aaatataatg	cagtttgga	gttttgctcc	acaaagcgaa	24300
gaagagtcac	tagtttcaac	tccaccaagt	caggcaaca	cagtataata	gatcatttga	24360
ccctgcttcc	agaacgattt	ggcctaacc	agcagcctgc	agttctccga	cttatctcca	24420
ctgtataaaa	tatttcctaa	tgttttatga	cataactaat	ctgctagcac	tgggctttgc	24480
tcacacaccc	aggatcaggt	caatccacct	gtgtaacagg	gcccattcca	ggacacacct	24540
gtcatcgccc	caaatggtaa	ccctcttagg	cacccaaga	ggaagtgagg	gatgggacac	24600
atctaggtca	gacctcagca	gacatgatta	aaaagagatg	tgtagttgga	cagacagctc	24660
gcacactttt	gaaaatggca	cgcaggagaa	accaccttcc	ccttggttcc	ctcgcattag	24720
gtttcactgg	atctgaataa	atgttacgtg	gctctctgtg	gcccagcaaa	tacaaaggct	24780
ggagcattgt	ctgtgctggc	ctcagtcacc	gcctcccttg	gaaaaaccaa	gtgtgaggca	24840
gagacattgc	tcctgtggga	aaagcaactt	ggccacagct	caagtctaag	tttgtaattg	24900
gagcaggaag	gggtgggtgt	gttttcagca	gaggcaggtc	aactagggaa	aaggtgatgt	24960
ttacttcggg	gctggggaaa	gcagatttgc	tgcgtggaaa	gagctgaaat	agcagcaaat	25020
gccaccgtgc	ccgtgcaagc	agctccagcg	aagaaagaca	gctctatcgt	gtttaggcga	25080
aaggggaaag	ttaggcaacc	gtttggaatt	aaaaaaaata	aaatccggag	cccactaagc	25140
ctgtgtcaac	gggcgaaaat	gaagtgaagg	gttgagaaaa	tgaactgggt	atggcagccc	25200
caagtccacc	atgggacagc	cacctaaagg	tggacccggc	ctctgtgcag	gttagaaatg	25260
cgaaaactcc	actcagaatc	aagcttggag	caagcctcac	atgcccagca	ggggagaggg	25320
tggaaggagg	agtgggaggg	agggagaaag	gaaggaagag	gctatgtgga	tttttaaaaa	25380
tccagatgct	agtgtagaag	ggatcattgt	gctttctcca	ttgatttact	tatgcttctg	25440
gaatttgcca	ttcactgcat	aattgcaacc	ggaatgttat	ggtgctcttc	attaaaaatc	25500

283148US0PCT.ST25.txt

tcttggagca agttgagcct ttattggagg ctaaataata atgttggttg accaaaggta	25560
cagcggtaaa tctggacttt tgtgtgtaca gtgtaatgtt gtggctgaca ttttgggggtg	25620
tgaccacgtg gtcaaaatga actgaagcac tgaaacatta tttgggacaa tcagatcaat	25680
ggaaagagct gctcttcac ccacaggaga aaacaaagtc ggcttaagta aaacctactc	25740
ctccttattt tctgtagcac atttatgtgc ataaattgtc ctgaaataaa gaactcaa	25800
catatTTTTt attgtcccat aaagccagat gtctaaacaa gggttcttaa aattacttag	25860
ggaatgaaac atcagaaagt tacgaaacat gataaaatat caatgtttac ctctgtttt	25920
tgaactaggg ttatttttagc gattaaaagt atggcaacat taaaatcacg caatacaaat	25980
tcacaactat gagcacagct gtccatgaaa atccagctgt caggctaact caggtagcta	26040
ttccaaggt actcgggtga gagtttgga cttgttcact gtttttctta tcaatttaag	26100
tgctttccag cagagaagca gtagaatttc caaagattta agaaaaagtt attggggaac	26160
tttttaaatt gaaaaagcc tatccctttt ctcaaccttg tatgtgcacc tggaaacgat	26220
cattatctca ctttaatagt aaaacccag gttcagctc cagagtacac gttttccaca	26280
ggaatcaagt tggagaacca tcgtcctgtg atgtttttca cttcccatgc tctgtcttag	26340
actatattag aaatgtattt ttagaataca gattttctgc tacaagaatg aagccactct	26400
tatttttctc tttgtctga tttcaggatc tatttttata ttattctatg tacattttat	26460
aagacaccaa agataccctt ttgaagaggt ataaataagt tgcttaaata caacacaaac	26520
aaaaacaaa cactaattca ctctaaactc tggagtctag aaatttagca tttaaaactt	26580
ctatttagtc atttatgtaa tcattcattc agtgaataat taaagcaaac taattctact	26640
ccaaacattg gttcagtcct ggttattaag cacataccaa ggatgctgga catagtaact	26700
cacacctgta atttcagcat tttgtggggc tcagggtgga ggatcactta agcccaggag	26760
ttcaagatca acctgagcag cacagtgaga cccaacaaaa aatttagaaa ttggagctgg	26820
gcacagtggc tcacgcctgt aatcccagca ctttgggaag ccgaggcggg ctgatcacct	26880
gaggtcagaa cttagagacc agcctggcct atgtggtgaa accctgtctc tactaaaaat	26940
acaaaaatca gccgggtatg gtggcatgca cctgtaatcc cagctactca ggaggctgag	27000
gcaggaaaat cgcttaaacc tgggaggtgc aatgagccaa gactgcacca ttgcaactca	27060
gcctgggcaa cgacagtga actccgtctc aaaaaataa taataataa ttaaccaggc	27120
attgtggtgc ccacctgcca acccaactac tcggaaggct gaggtgggag gaccacttaa	27180
gcccagagg cggtgtctgc agtgagccgt gatggcacca ctacactcca gcctggacaa	27240
ccagggcaag actctgactc aaaaagcaag aacaaaaaaa aaaaacaggt gcctggtcac	27300
agagaattta cattctggaa gggataaaca ggagataaac aatgcaatat gcatttaata	27360
aaataaaatg tcagatgcta gtgttattga aaactggcag gatcaagggg acagaaagaa	27420
aaattcttct tagagtggta agggatggcc ttgcagataa agtgacattt aaacgggaaa	27480
ccgaaagaaa aattcagggc aaagcacaca gctatctggg acaagagcat tccaggaagc	27540

283148US0PCT.ST25.txt

aggaagaggg accagcaggt gcaccggctc tgggcagggg ttgctcttta accctcctag	27600
aactaattgg tccacaaagc ctttgtacct ttacacatt taaatagcct ccaaatgact	27660
tcttttatga gataagcaca aagtcaaagt cctttggatt gaacatttct gtcttttcaa	27720
aattccaata tcacctctac cagaaactcc tgttggcttg atctcagatg caagtttcaa	27780
agcattctct ttatggtttc cactaattgt gctcttattt actttccctg caccagggac	27840
aaagaaagat gagctcctgt ggtgttgga attcactgtg acttcgggca gaaggcctgc	27900
tttgagaacg tacctaattc ctgccaaagc tcatccctgt atttcctcaa aattgttggc	27960
gggttttctca tttgaccgag atttctttga aatcaacagc caggaaaaac aagtaaacia	28020
gcaagggcag cctcccaggg tcaccacac ttggtgaaca gtagccagga tgggagcacg	28080
caggccgcgt tgcctccgc aaaggcctgg gtttccatgg tgctaggtct gcaaagggca	28140
gtgttcaaaa tcaagccact gcgtggtgaa actagcaccg caaaacccca aatgctttgg	28200
gtgttggttt taaaaaggat ttacactatg tcgtgggcat agaggttcta cctgatcact	28260
ttttggaata actccaggat gctttccatc tctactaca aatctcacat cacctctctc	28320
caggcctcag ctgctgtttc tcctaaaaat atggcagtgg gaggggatgg ctgagccctc	28380
tgaagtttta ctaatatcag ggcgcaaaca cttgcctcga aatgacttcc ttctcctgtg	28440
caataacaaa attaataaaa gctcgggtggc cactaccaga tagtgacttt tcatagaaa	28500
tgtagagaac atcaccataa tccttgtcca actgtgataa ctccaacatt tatattaagt	28560
taagtgattg aggtctgcag tctttgcttg ccatagtcaa ctgtacagca atatatatta	28620
tttcctaata atgccccag aaaccctgt ctggaatatg ctattggaca gaggacataa	28680
tatgcaaata catcttatcc atcataaac caaagctaag gctggaagca aaaaggacat	28740
ttgtttgcaa ctgagctctt ctcttcagac tccccatttc ccagctcatg ttctctgag	28800
tgcagcgtct gcattctacc atcagagga aaacctccac gcagcagtgt ctttaactgt	28860
ttgacttcat tgcttttcaa aatttttctt aaatcattga aaatatctta gaagtcacag	28920
taagaggtag aatgggcttc catagcatct aatgttttaa ttctttaaaa actatctgag	28980
gcgaatgtgg caaatgcta agatacagca aagctgagag gtgaggactt gagtgttcct	29040
tagtctgtct ttctgcatgc atatatatta caataaatac ccaatagtaa tagatattta	29100
ctaatgaaat gcattagtga aaacatccct ggatgttgtg acttcaacta attgatagag	29160
ctaaatatat ctgcatactg ttttcatgta cagcatttgc aattcatgtt tagacttcct	29220
ccctcctctc ccagaagtt tccaaaaggc aggccacgta attgctttac attatggtat	29280
ctattttttg ttaattgatg tcttcttggt gcaggacctt tcttcccgt atcctgagac	29340
tcagcagctg cctgtgggca tgtaaccag tggaggccat cagctggtgt ggtccccagt	29400
ctcagtgagc aagggtgctc tgcagcctgg ggtccatggg ctaaggccct tagctgattg	29460
cacacagact caccagggct tagacacaaa ggagatggat gctgaatatt tcacctgagt	29520
gtcacctgct ttctgttttc tttttgaact gccctagaaa tccctcctca agaaaattca	29580

283148US0PCT.ST25.txt

tcaaacgaaa ccaaagcagg gtatttctgt cgtctcttct gcttagtact gtcctcttta	29640
caaattgtta gttgtctcaa cattacatat gagtctactt tagggctgtg aagtatatta	29700
ttcaacattg atttttcctt ccttcagcac tggcgaccct ggatcactgg cactgttta	29760
aatcacctg tgctggcttc ttctgagccc gttagcacca tgtggtagcc ccagtgccga	29820
tggcatccca gcctgcatcc aggtcagagg aggcgcatgc ttccgtcacg cacgggcaca	29880
ctcctccacg aagaacccca gttcacccgg gctgccctca tgccataaaa acagaggcac	29940
tgccggccgg gcatggtggc tcacgcctgt aatcccagca ctttgggagg ctgaggcggg	30000
tggatcacca gccaggaggt cgggagatcg agaccatccc tggctaaaat gtgaaacccc	30060
gtctctacta aaaatacaaa aaattagccg ggcgtggtgg cacatgtctg tagtcccagc	30120
tactcaggag tctgaggcag aagaatggca tgaaccggg agacggagct tgcagtgagc	30180
cgagatcgtg acactgcact ccaacctggg tgacagagtg agactccatc taaaaacaaa	30240
aacaaacaaa caaaaaatac gaaggcactg ccattaggac agagtcagag agagccacac	30300
acctgacatg tggcctctta agaggacaga gacgtgctct gctggaagaa ggaaaacgtt	30360
agaagaggtc agttgccttg cctggccaca tcagtccagt gtggactgat atatatctta	30420
tattccaatt tctttacttt tcaaacatgc ttttagccca gcacagaact gtgtgtctct	30480
ctttacggca gggaggggaa agtgcaaaga tgagatcaaa atcaaacatt tcaagattgc	30540
gaggaagagt tggaaattgg tacttttcac ctttctcttc ccctaaagtc attctcacct	30600
ttccctcagc tcacaggcga aaggagggtta cctgacaatc ccctcaaggg gaggttcagc	30660
agatacaaat gaggactgaa caaaatatta gaacagttca aagaaaagggt gactgcaagt	30720
tggaaatcat aaacatcacg tgttcataca ttacatactc atgcaccaat atttgcttta	30780
aggataaagg cttttcttaa aaatggatca gggccgggca tgggtggctca cgcctgtaat	30840
ctcagcactt agggaggcca agatgggtgg atcacctgag gtcaggagtt caagaccagc	30900
cttgccaaca tgggtgagacc ccatctctac taaaaataca aaaattagcc ggggtgtggtg	30960
gtgcatacct gtaatcccag ccacttggga agctgaggca ggagaattgc ttgaaccag	31020
gagggtggagg ttgcagtgag ccaagatcat gccactgcac tccagcctgg gcaacagaaa	31080
tggatcagtc gattagagtt cggcacttat tattattatt attatttggc atacataaca	31140
ctgaaagtgt ctattcctaa attctagttg agatgtcttt cagtaactta ggaagccatt	31200
gggaaacaat ctgaatgcaa actttttcta gagtttttgt ttgccaattt ttcacaatca	31260
tcacatctag gtataactta acagagaaaa gtttgtgact cgactatact ctttccaaag	31320
ttttaacttt acaaaaaaca gcttgatttt cccctaatag ttctttatta tgtatgcac	31380
ccatatatgt ttatatatgt tcaagtgtac aacaaaaatt cacaaaatac tataaaggat	31440
gtaccttgtg attttccatt ctagcccaag gaagttgagc cagttctatt ctttcaaatg	31500
cagaccacga cccattaaat tgatttaaca acctgcaaat agtcaggctc cccagcatga	31560
aaggcactgc ttcagtagct gtctgtaagc accaagcagt gagggcagag aggagaaccc	31620

283148US0PCT.ST25.txt

ctgagcacct	ccccatacca	ccgactgcat	ctcagtgtaa	tgtcccaata	gctcagagga	31680
aacatagcaa	atgcttaaag	tatcaacact	actgaaatca	atgatgtaat	ctttgaactc	31740
acagttacac	ttgtctttgt	tttgtgaaag	catacaaata	tcttggttctc	catcaagaca	31800
ggaaaagagc	acacagacag	cttcagtgcc	tgctcctccc	tgtgctcaag	gttcaactcca	31860
ttctttccaat	ttttttcctc	taagttcaga	ggctggcaaa	ctgcagtcca	tgggccaagt	31920
ctggccagtg	cctgtttttg	tcaaattgcg	tcggaacaca	gccacgctgg	atttgtgtgt	31980
gtgtttgtctg	tggttggttt	caagctgcag	cggcagagtt	gtttgatcgg	agaaggctctg	32040
ccacacaaaag	cccaagacat	tcacgaactg	gccgaaaaga	tggctcacc	cccgcactaa	32100
gtcatctcct	agctctgaga	aaatggcgat	cctctgagaa	ctcagaagct	ctttcccat	32160
attaaattat	ttgctcacia	acttgtttac	tgggataaga	agaagggtgg	attattttcca	32220
ttgccattta	tgcacagag	caaacaaatg	atcaagtcag	acttagagat	aggacatatc	32280
ttacagggtt	gaaatgaacc	ctttccactg	tcttagttta	ctttgctttg	ttaccacag	32340
taacagagga	aagaaatttc	agggccctgc	aaccatgttc	atattttttc	atctcatgtt	32400
tagttctaaa	gatatatgta	atatacgc	cacactttat	actgtagtta	tgtttatatt	32460
aaaatacttt	aaattgctta	ccttcaagta	aaacttggtg	tcccagaaaa	ctcagagctt	32520
caagaaacca	gtgacattaa	atagagccat	atttcacctc	aaagtgccat	accgctgttt	32580
gaaaacatgg	aagaagaaat	ggacatcacc	aggaattatg	aggaccacct	catgccact	32640
gaggggtgtt	ggggacagca	gctacctggg	ctgggatgaa	gggaatggc	ttgcctgggg	32700
tacagaaaat	ttctgttaaa	agataattca	tacacgataa	gtaagccaag	caaaactggc	32760
ctgcttttat	cccaacaaga	gagtcattcc	aaacacagtt	agtgatgaaa	cagtcctaca	32820
cacacacaca	cacacacaca	cacacacaca	cacacaatca	tttgttgatg	aaagttctaa	32880
ataattgctc	ttgtgactgt	tgagttttca	ttacatatat	ttgggtgtgt	gtgtgtgcgt	32940
gcacgtgtgt	gcgcgtgtgt	gatgggttga	aatgcatcgc	ccaaaaagct	atgttcaagt	33000
cctaaccctt	ggtacctgtg	aagggtgactt	tatctggaag	tgggggggtct	ttgcagaagc	33060
aatcaagtta	agatgaaacc	atactgaagt	atggtgggtc	cttcatccaa	agtgactagt	33120
gtcctgataa	gaagagggga	agaaaaccaa	gacaacacaa	gagaatgtgg	aagatgtgaa	33180
catggagcag	agatcaggca	atgtgtctga	gagccaagca	gtaccccgat	ggccccagcc	33240
accaccagaa	gctggagaga	ggcagggggc	cgattccttc	tcccagcctc	caaaggaacc	33300
agccctgcag	acctccagcc	tcgagaacca	tgaggaatac	atgtctgtta	ttttaagcca	33360
cacagtttgt	ggtcatttgt	gacagcagtc	tggcgaaact	tatacaccta	tgcaagcttc	33420
aatcaattca	tttgtatctt	tatcacttaa	taaacatcat	actctacagg	aaagttattc	33480
cagaaaactc	caagttattc	agctgaccct	ggcacacagg	caccagccc	cccgccttca	33540
tgtgaacgga	aggagctgga	tggagtaaac	tattaacact	ggttccaggt	gcttctccaa	33600
ccccggggat	aatacatatt	ctcgcactta	aaccttagat	tctaaattaa	acgtgacagg	33660

283148USOPCT.ST25.txt

acagtgcctg tcaaaataaa ggaacacaac ttgacttatt ttaattcagt catcagaggg	33720
gaccatttgg aagtttgtgc ttaaaatcta aaacagtgca acagggggaca aactgcacaa	33780
tgtaatatTT ttgttttagta aatgcaaatg tcagttcata aaacatttta ctgaatctga	33840
aaaatTTTT taaaaataga aatgtataat tttaactgat ttctactcat tttaatatta	33900
aaagaaatat aaatatataa tatatatataa tataaattta tatataatat ataatatata	33960
atatatatTT aatatataat atatattata tataaatagtt atatataata tatagttata	34020
tataatatat atttcatata taatatataa tatatagtta tatataatat atatttcata	34080
tataatatat aatatatata tatcatatat aagttatgta taatatatat ttaatatata	34140
atatataata tatatatTTa atacataata tatagttata taatatatat atttaataca	34200
taatatatag ttatatataa tatattttaat atatatgTTa tatataacat atattttaata	34260
tataatatat agttatatat aacatatatt taatatataa tatatatataa tataaataaa	34320
tataaatata taaatatataa tatatatatt ataaatataa atatatatata tataaatata	34380
tataatatata atataaatat atatttatata atatatatata tataaatata aatatatat	34440
atataatatata tattatataa tataaatata tattatataa tatatatatt ataaatataa	34500
atatatatata tataatatat attatatatt atataatatata tattatataa atataaatat	34560
atatttatata aatatatatatt atataaatat aaatatatat tatataaata tatatttatat	34620
aaatatataat atatattata taaatatataa tatatatatt ataaatatata atattataat	34680
aaaatatTTa ataaataata ttaaagaaag tcattactac tactgagtct tacatgatca	34740
ttactaaaag taattttgtt acgtgcagga gagaagtgtg gaaaatcatc tgtactgtat	34800
atcacatgTT ctgactacac cttagtgTga gcagccacgc tgtgagcact ctctcttagt	34860
tattcaacta tgcaaacaca tagcaatcaa gttaagatga aatcttcact aggctttgag	34920
gttgagagata tgacacaaac atgcaggcac agagtctgt taagcaacct gtagtgtgtg	34980
cgaacgacca acatgtaagt gattattccg gctctggctc ccaaacctgg ctgggcctca	35040
gagtcaacta tgaatcttgt ttaaaaaata caagcatcca ctctcaaaaa tggtttcaca	35100
ggctcttatac aaggtaaaca tgcccttacc acatgactca acaattctgc tcctgggtat	35160
ttatcccaga taaatgaaaa tatgtcttca cacaaaaacc tgtacatgaa tgtttgttgc	35220
agctctgttc ataattgtcc caaactggaa acagctaaaa tgccccctcca aaagtgagtg	35280
aataatcagc tgtggctcct ccacacaatg gaatacaacc cagcaaggga caaacatgaa	35340
tcaacaactt agatggattt tacaggcatt acggtgagct aatgaagctg acctcaatag	35400
gtgagggccg tatgattgca ctggtatgac agcattggaa agatacatcg gcagtgatgc	35460
aggacagaat agtgggtgct ggcgtcagaa ttcaggaggg tgagcctata aagggatagc	35520
ccaaggagT tttgggggtg aggggaattgt ttgtaacctg attgtggtag tgatcacgca	35580
aatctatatata tgagtcaaaa ttgatagacc tatgcactaa aaagaaaaaa gtcaatttta	35640
ctgaatggct gaagggccca tgcagtagtg cataaagact caagaagcag gtggcagggc	35700

283148US0PCT.ST25.txt

tgtacagagc tagaaagagg tttcaaatgc attctggagg caatagggaa actaaaaatt	35760
tttcctcatg agacagacat gattagatct gggtttttagt aggatcattc tgttgacaga	35820
ttgaagatgg attggagggtg gttacatgga agagaaggaa gtcaattagt attccatggc	35880
aagaaagatc aattaagggc aacagataat gaattcagct ctgtacatag tgagtttagag	35940
acactcacag ggcattgaag caaagatgtc catgggggtg gaagacagga gtctgaagct	36000
ccggaaagag cccaagcta atagtaacag tatggtagtt gaatgcatgt gtacagatga	36060
agttgtcttg gatgaactgt atgtaggggtc agggaggaaa aaagcagttt gggatttagag	36120
tcaaggggaa ctgcattatc tggaaaaaaa gaaaaaaca tatagagaga aagaagaaac	36180
tgataatgtg tagtcacaga ggagtgttc agaaactaaa ggaagaaaga agaaaggagt	36240
caacggtttc cacccttagt gcatgagtct ggatgctatc gtctaactgc acagaataag	36300
caactgggct gtacacagaa tcacaaagcc acaggatttg gccacaaaa gagatctatg	36360
tgatcgccca gtccaaacc tcattcaata gctaaggaaa ctgaggccaa ggaagactag	36420
ctggtttgtt tgaggtaaca cagctaatgc acggtgaaggc tatggcaggc atccaaactg	36480
ccagattgtt ggaataaaac aattgaattc ttcaacaagt cttccataag aaaatttaaa	36540
tttcaatcaa cacattatcc ccaccagttt cccttacatc cacttatgag agaaaaccat	36600
cttctatccc aacacagaaa agtaagaacc aggatgactg gattcatccc atttatctac	36660
ctgttgctta catcagtaga tgccaatcta cctgattaat ccatttactt tcctctttct	36720
gtccagtagg agaatacaaa cagattttga actaccata tagctcccca aatttggtct	36780
ctagataaat ttatcagata tttgtggtgg aaattctatt tttcctcagc cttgactttt	36840
ctgttttcta ttgcaaaata tttctcactt gctactcacc aggctatgga gagactgtga	36900
ggcacacagg atttcctaca aaaggggcca cttacccaaa ctttctaatt gcttaacaac	36960
tagaacatat aactttttta aaatcttaca cgtttcaaaa atgtacaatt aattcattgt	37020
aagaccaaca ttattctttc cagaagggtt aaatgtcaag catttcagct ccaaattttt	37080
ggctcatttg attctttctg agtaaattct agttaataaa aaaaatacac aatgcaaaca	37140
tgccaaaatt gctttctgat ttagagattc cttaagaatt ttattttgca tagtaaattt	37200
ggatggaaat ttgtctctaa aaatatagca agaagataaa ctagtctaga actaaagcta	37260
tagacattta aatgagtgtg atgctgtgaa aatctttctt ggataagaga aggagtgtga	37320
aaagcaaaca aagacggcag atcaataaca tgggaacgag agaaagatct ggcgagttct	37380
gaagtagcca ctggaatggg caagagggtt catgagcaaa cttgggtcct ggcggaagtg	37440
gtgtgttagc aggacattca tacgtgagta ggtgtcagag gcatagaaga gaagttcatt	37500
tcaggataag agaagaatgg gctgtgaaaa caaaagggtat attttggaag gctcagtgac	37560
acacagctca taaataagtg gaagatgagg caggacaggg tgcagacttg tgtcatgttg	37620
ccagaatttg ggtatgtctt taaatgcact gagagtgtct gaggttctag aggagcggta	37680
tgattctacc tcagcttctg gaaaggggtt ccagcaacag tgtctttgta aagagaccat	37740

283148US0PCT.ST25.txt

cacaaaaaga	tccaagtga	ggaaaatggg	gcccgaggca	gtcatgtgag	tgaggagagt	37800
aggaaaagaa	ggcagagaga	aggatttggg	agatatttca	gagggagaag	caagaggacg	37860
tggtataggg	gaagggtcag	acagggtccgt	gctagggatt	gacgtcccgc	gggagaggct	37920
gacgttccta	cccggcagct	gggacagctg	cagttatcag	cagctcaa	gtgaaataca	37980
ggagaaaagg	cagcagggaa	ggaaggccca	tcagattagg	gcacggtgag	ttctgatgac	38040
tgcccagatg	tccagagagc	ctttggaaat	tcaggccttg	ccattcatag	aatgacatca	38100
agatgtaggt	ctatcactcg	aaatcagcag	gtttgaaatt	atcagagtgt	aggaggtttg	38160
tctagacatt	tgctttaagg	ctttggcagt	ggaagaaaa	ccaaaatac	actcaggagg	38220
agaatatggg	gtagggagac	attatttttt	aataactaat	tacaatccct	ggcaagagtt	38280
ttgctggtaa	ttttacttcc	tactgtggtt	gctatccatg	gatgtactat	acataataaa	38340
gagataatat	caaataactt	gtttctgtga	catactaaaa	gaagaagtat	gaaaaatatt	38400
ctacctcatc	taaaattctg	ataccttcat	attttgaaa	ggcacatacg	tattaaagta	38460
tacaactgtc	aacaatttgt	aaatattcca	caccaagtgg	ctgctaggca	aagccttacc	38520
ttgtgttgat	atgacatctt	ttatttcttg	agtcctattg	caaaaattta	aaagatttct	38580
cgttatatct	ttttcatgtc	gctcacactt	tccaataagt	atgtgccaa	cttttattct	38640
tcaagggtcaa	caaaccctgg	cttagccatc	ataatcaatc	aaactgcatt	tttacaaatg	38700
taagtttcag	ccatctgata	aaatgagcaa	ttctgcaatg	ttttgtgggt	tttttatttc	38760
cgtttgaaaa	caactcattt	tagaggaact	ctgttccttg	tggttccttag	tcatccttat	38820
cccagaaaag	agtaattttt	cagtgtccat	tctcactaac	tctggaatat	attgtatgat	38880
tagctaactt	tgaacctcaa	atacttacat	taaaagtgca	gaaacctga	tggtttgaat	38940
agttttgttt	tgtgatttag	aattcaagta	gagctggata	ataactgaca	acataaaatg	39000
tggaatccac	aaagagtcag	tatgattcaa	agttcaccat	tctaattcaa	ataaaatttt	39060
aagaattaaa	actgatgtcc	agcccaatat	agaagctcaa	gcaaattcaa	atggctgatg	39120
gaggagctgg	cttggctcca	atttttctat	tcctcaagtt	acttttgaga	aaaataatac	39180
atataaatga	aaacataaca	ttactggaaa	agagaaaaat	gaaaatagcc	atggaataga	39240
aatgttgaaa	gcttcttccc	aagcaagcct	agaaaaagct	ctgagagcaa	agtcaaggag	39300
gcaaagacct	tgccatgagt	caaacattag	ggcgagagct	ggaacggctc	actacagctc	39360
ctaccaccaa	tcccccaaaa	tagagtcgaa	aaatgacggt	cggagaaatt	gtttctccca	39420
aagacaaagc	caaagacta	gtttttaaag	aaaattaatt	tgctcggtgaa	cttacagggc	39480
ctaaaagaag	cacagcagat	cttcgccccg	gcaaaccac	aggggcgctg	tggagtttct	39540
tcatttttga	gagaaacaca	acctcttgga	catccatcag	cccctccatg	aaacgtctgc	39600
tctagcaaag	ccaccgatcc	aaggctcaag	agcgctactt	tactttccac	gaggccctgg	39660
ctggatgttc	agcagggtgct	ctgataaaaa	gcaggccccg	tatgaaaacc	agcagggaac	39720
agaaaacgca	gcagggtctt	ccaatctcat	gccaaggtag	gtgaggctgt	gctgtcccca	39780

283148US0PCT.ST25.txt

gcaggcgcgt gcagcgctgc taagtgatgg gaatttcaga gcaaaagaaa agatggggttg	39840
ttttttgttt tgttttgttt ttgtttgttt tttctttaaa ggtatatgta ttggtttttc	39900
aaacagttac taagttgtta gggcatgcat aattatgtcg tttggctcta actacttata	39960
cacagaactg ttaagaagtt gctctggcct agggccactg taaaaaaatt actgaaacaa	40020
tgatagagac ttgaaccaag aaagcgagga agtctctgtg ctgtagttat cggctctcag	40080
gaaagaaaaa cctcctggc ttggcagctg gcccaggagg ggcgtgggca ggaggaggtc	40140
cccaggctgc tggatagttc ttcctgctgt tggagcctca tccacagaca caggcctgta	40200
gttagccagg cagggaggag gctgagcagg aaacagatgt gcctggctgc aaaggaaacc	40260
cacaagcaat caaccccatc ttcattcata aaaaagaacc aaatcaagt ccaccaata	40320
caggaggcaa ataccagggg ggaggataat gtgaacaaat aaaacagctc acctgagagg	40380
aaatagaagt aataataata ataaaaatcc aacttgatac tgagagatta gagaggaaat	40440
tgaccccata aaattagaat tagctacaat taggaggagg aggaggtagg gagggtaagg	40500
aacagggaat aagaagataa cagcacttac gaaaaaggaa gaggtatggt aaataaaatt	40560
taactgacaa aatgaaaatt aaatggaact gccaaagctgg ctgtccagaa gaggggctgt	40620
tccaccatgg agaccaggca gctagagggt cgagccaaag aaacctcca gatctaaaag	40680
gaaaaataaa cagacgaatg aataaaaacc taaaagtctt gcaagatata ttcaggaggg	40740
tcaaactaat agagactttt acaaatagag aacaaaaata ttagaaagaa atactaggag	40800
aaatgattga agcctctttt ctggagctga agttccttat acagtgatcc actgagggct	40860
gtgtgtccac ccacagggtc cctgataaaa cttatagacc ccaaaataaa agaaaaactc	40920
taaaagctcc cacaacacag aaggggacaa catgctgtgt aggaaccagt ggctgccatc	40980
agaagctaag aagacgcaca aaggttgtga aaaaggctcc gcagatcttg gccttaggtc	41040
acgcttcgag tagtgggagt tttggtgaca gatagcgttt cccttgctac aggtttat	41100
attcaccttg tttcaaagag aataaaatat gcataattat aataccatgt gctgacgtgg	41160
agggacatcc atcacatgaa aaacaagttg caaaacaaat ggataatagg atcctactga	41220
gcttaaatac acatacacag gcacaactag acaaataggc agatagatag ataataggta	41280
ggtaggtagg tagagagaga ggaatttaaa aatatctaga atacgtagca gacagctgag	41340
attggggagt agaggagggtg aagatgtttg cttttaatct tcaccacttg atactctcat	41400
tttttaacag agtataaatt tcttttgaaa ttaaaaaaat tatcgtactt ttagtggaat	41460
aaaagcagca tcaggcacat agtaggtaat taatcaatat ttgttaaatg aatgcgtgaa	41520
tgcaaaatat atgcctttct accatcagaa gtatagctct attcaaactt tcttcagtat	41580
ctcctgtagc actgacaaat taagttttct gtctcttctt aagtcataatt tggtaatata	41640
ttttcctaga aattcattca tttcagctag atatcaaaat ggattatctc atggctgtgg	41700
actgcaacct cttttcata ttgcttggtt tacataagaa acacatacat attttctttt	41760
tgaaaccctg ttataaaagt actcgacaaa ttgtattagt cagttttcac actgctgata	41820

283148US0PCT.ST25.txt

aagacatact	ggagactggg	caatttacgg	aagaaagaga	tttaatggac	ttacagttcc	41880
acacggctgg	ggaggcctca	caatcatggc	ggaagataaa	gaggagcaag	tcacacctcg	41940
gatggcagca	ggcagagaga	tcgatctggt	gcaggagaac	tcctctttat	aaaaccatca	42000
gatcttgtga	gacttactca	ctatcacgag	aacagcatgg	gaaagacctg	cccccatgat	42060
tcaattacct	cccactgggt	ccctcccaca	acatgtggga	attcaagatg	agatttggggt	42120
ggggacacag	ccaaaccata	tcacaaatgg	taactcaatg	taattttttt	aacagcacta	42180
tgagccgtgg	gaatccaagg	catgagacaa	gaaggctgga	cagcgttcct	ggatcacaca	42240
gctgagtacc	ggtgaagtca	accagtggtg	cctcggctaa	gggactgctc	tcaccactat	42300
gcctctcccc	agtgtcctga	attctaattg	tgaatatattg	tatgttctct	gcttttctct	42360
tagccttcca	aagatttgct	atcagtagta	tttaatatca	aagaataaag	gtttgaatta	42420
ctatatattgt	tatagttttt	caggttctaa	gtcattaatt	tctactatat	cttcgttttc	42480
ttactcatgc	ttttgttggg	gctttttaaa	ttattttttg	cttctgcagt	aacatggata	42540
tttcatttgc	aactttctta	taaaaacctt	gaaaacttac	aaagttttct	cctagcacia	42600
tgtgggttac	attccatata	ttatggcatc	ttctaacaac	tctctttatt	cagttttaat	42660
tttctctatc	attttctttg	agttaacagc	tcattggatta	ttcagggagt	atttttagtt	42720
tccacatggt	tttagatttg	gtgttaaact	ttttattact	taaattctat	tgtttattgt	42780
caaaatatgg	cttatgggaa	tgctttgtat	tgagcttttt	tttgacacag	aagctataat	42840
caatgtttta	ctatacgatg	cacatttgaa	gacattttct	ttaaagaaat	actgagtaaa	42900
taaaacatat	taattattca	gttctctgta	aagtttatgt	acataacata	aaaagtagag	42960
atattgttaa	gtagcctgtt	aagactgtgc	tttgccagtt	tcttattgca	tttataacaa	43020
cttttatgtc	ttttgatgct	gttatttggt	ttttaaacat	ctctggctac	tacatttctc	43080
taataaatta	tacttttagaa	aattaatata	aagtagccct	cgctcattcc	ttattttctc	43140
tcaagttcca	ctttgtatga	tattaatatt	gcactttggg	gttcatttta	ttttttgtct	43200
tacattttaag	aattttactca	tctattttct	atgtcatttt	gcttcgtaca	catgtatgtg	43260
tatatataat	ttaatatgac	aatatctttt	gtaaaggaag	tttgacccat	ttatattttac	43320
tgtatatatt	catgagtgat	cttcttgata	agagttctga	aacacacaca	catattactt	43380
ttggcatcat	tactgtctat	taacacaggt	atatgacatt	ttaaaaaata	aatcaccttg	43440
atctaactta	aggcttcaaa	tcgttcattt	atacatttgc	tccaggaata	ttttgtaaag	43500
tctctattac	atcatggaat	tgtactagcc	actgaaaacc	ctttggtgaa	aaagatacat	43560
atgagttgcc	atcttgaagc	ttaccttcta	aaaatactaa	cagcaggaca	acaatgcaaa	43620
tctgtgtgct	ttctatccaa	gggcaactgt	ctctctgctt	tacttacttt	attaaatttt	43680
cacaactaaa	tgacttttcta	ccaatgagca	aattgagaat	cacagagttt	taaaaacata	43740
cctattgtta	tctactttgc	atgtggtaga	tccaagttgc	taatgtatat	ctgaacacag	43800
agccggtcac	tatgaacatg	ctaccacaca	acatgtgctc	tctctctctt	cgggctccaa	43860

283148US0PCT.ST25.txt

gctttccata	acgcttccag	gttgccaaac	cgtcaatccc	agccactttg	aagacccctc	43920
ctaatagcttc	cctgcccattc	acaactacac	cttgtggtga	ctgaacagct	gttctgtttc	43980
gcttcaggct	gttttcctgg	gaaccaccag	ccattcctcg	tgcccactgg	gtcttactct	44040
cactggcccc	atggaccccc	tgaggttgtc	agtgacttct	gttgggttcc	aggtacaggc	44100
accctttgcc	acagagatga	cctctggaat	gttctcagcc	tccttccatg	ccctccatgt	44160
acctgtggga	atgtcttgat	gctttccatg	ccacagtga	aaggacagca	agctcagatc	44220
ctcactctac	ctatttgagc	tgtgcagtca	ctagcactgt	gagaagacca	ccctgaagtg	44280
ccggagcagg	ggcatcctac	aaggccgtat	ttgtgcactg	cccctctgcc	cttgacaggc	44340
gaccctccat	ctttctggat	ttttgccatg	cactcccacc	ctcaccacac	atcctgcccc	44400
tcaaccttga	ggagaaggcc	ccacacttgg	cgtggacagg	acctggcact	gtgctgcttt	44460
acactctgct	ttgccttccc	tgccccatgg	tgtggcacc	gacaggccat	ccctcttctc	44520
tttctgttcc	accacacctt	ccagacacaa	aactctatga	tcaattacac	tttgcctagc	44580
tttgaatatg	ccaaaaagg	agcttccaa	actgggaaat	atctttcttt	ctctacaaag	44640
cttggccttc	gggcctcgtg	tgtttctgtg	aactcagata	gcttcattag	catgcagaac	44700
ctgcccattc	ttccccgtat	gagtaaacc	gctgtctgca	tcctggcagg	tcaccctcct	44760
ccctgtaggg	caggaggctg	cccagggtgc	gtaggagaag	cccatatacc	gggaaatgca	44820
aagcataaaa	ttacatcagt	gtatctcaaa	actgtttgcc	ctatctcgta	acaactcgag	44880
aagtacatgg	cacggtgaca	tcaccaaaga	gaatatttgc	ctactttgaa	actgaaaaaa	44940
aaagattcct	gaaggagtaa	tgctcgaggt	gagttttgaa	gaaccatagg	aagcacctgg	45000
tggaagagga	agttaatttt	ctttccgggc	aaaatgaatg	gtgtctgcaa	atagccagag	45060
gccacaggag	catctgtgtt	taaacaactg	aagaaagccc	acagggctgc	agaacggaga	45120
gagaacaaga	ggcataagga	gatgccagac	agtgggcttt	ggcagggcag	ggaaggcttg	45180
cgtttgtcag	gcgtggccat	gtctccctgc	tctaaaggga	aggagaggaa	aaatgggagg	45240
ggccggcagc	ggatactgtt	gcggcagctc	tggcacagag	cacataagat	tacaaaatct	45300
gatgcctgct	agggttggtt	tcatgcccct	ttcagctgac	gcactcatga	tccacaggct	45360
gaaggaggca	agggttggtg	gccccagggtg	ccagctctgc	ccaaggaccg	aatcccggct	45420
cccttcctgc	gttaccacac	cttcttccaa	gcggccccac	cctcaactgt	ggaatttaat	45480
tctcccagaa	ggcctggcac	ggtggcttac	acctgtaatc	ccagcacttg	gggaggctga	45540
ggcggggcgg	tcacgaggtc	atgagattgc	gaccgtccta	gccaacatgg	tgaaaccccg	45600
tctctactaa	aaatccaaaa	attagctagg	tgtggtggcg	cacgcctgta	atcccagcta	45660
ctcaggaggc	aggagaatca	gttgaacccg	ggagttggag	gttacagtga	gctgagatcg	45720
tgccactgca	ctccagcctg	ggtgacagag	tgagactcca	tctcaaaaaa	aaaaaaaaaa	45780
atttctcccag	acatgctcag	agccaaagca	agcaaaatga	gggtcctcca	ctgagtgatt	45840
ctcctgcacc	ctccttagct	gtccaccaac	actgcctcca	gttgtcccaa	gcctgaaatg	45900

283148US0PCT.ST25.txt

cacttgagaa	cacgtcctca	aatccagtgg	aaaagtctac	attatTTTtgg	gagaacagag	45960
catcagacag	agctcccaac	cccaccgctt	cctgtccttt	gccttgagga	cctccctcag	46020
ggtagggggg	cctgtgggccc	aggagtgggc	agcccagccc	cttcgatttc	acaactgcct	46080
ggtttcctct	ctggtggaaa	tgcacaggtg	gtgacaaaac	tggatgaatt	tcatcttctt	46140
tactcttggt	ttagagctgt	gagttcgagt	cagttacggt	gtgtgactta	ctaaccctatg	46200
tttgcatctg	tgtgcttctg	atcttcacac	acgctgagca	cattaggggc	gccttcctgt	46260
ggaccggggc	ccacactggc	aatggggcag	gcgcacagtt	cctccaaaga	acctcacagc	46320
tgtgccttgt	cctctgagaa	aagggtgtcag	ccagttccac	tggacagccg	gcactgtcag	46380
aaatcctacc	ttagcagctg	gaccaagggtc	tcaccggaga	agatgtgtca	attcaatttc	46440
aagggtccttt	tatacaattt	aatcaaagggt	catcattaga	aaaaaaaaatc	atgattaaga	46500
aacgaataaa	attcaagtca	tactgttacc	tctgttttaa	acaaaacaat	gtttctttac	46560
atataaattt	ttatttcaaa	acatttgatc	ccaggaaagt	ctttcacaat	aagtgaagttt	46620
ttagcagacc	aggagagtca	tcagtgagata	agagttcttg	ggagaagggtt	ttcacaaagt	46680
gccctagatt	gttgatgata	ttttaatcat	ctatccttgg	aatacaatgg	acataaaaatc	46740
aagaagtgtg	ctgaaccttg	aatgaaacag	cagaatgaac	tctgagtccc	agaaaacacc	46800
taagaactaa	gaatgcgttt	ttaatgtctca	tgaaaaacaa	atggcaatat	agaatgtggg	46860
actaaagaat	ggttacttga	agccagaagt	gggtgttctg	cagggtgaaac	ccaagcgagg	46920
ccccctccca	aggctccttt	ctgtgttgtg	agtgccccac	tccccagggg	cagcactttg	46980
ttttctttca	gcttttctga	catcatatga	tgcaacctga	tgcaaagcaa	agcgataggc	47040
atcttgtcac	aggagaaatt	cacagagagg	agggggggcac	gctgcagctg	gtgcggaaat	47100
tctcaagaga	ggcctgggag	tggagctgag	ccgttgacaga	ggaagggtgga	gaacctcttg	47160
agaagttcat	ggacacatag	cgtgggttcag	aagaaaagtc	agggtccagt	gattgaagaa	47220
aaaagcgaga	cattattgca	ggcaaggatc	tccatgttgg	gatacaaagg	caatgctgat	47280
ttcaggatat	ctgtgtacgt	ctgtgtgtca	tgggaaggga	ggctgcagtt	ggacacgaat	47340
agaacatctg	ctcaggacga	ggacacgtgg	gatcacatcc	tcagagcccc	gtcgtcttca	47400
gagcccttct	ctaggctgga	ggcagtgagg	acaggatggg	agtgtctcct	cccttccttg	47460
tttcccaggg	agcatggcca	gcttggtgac	tgtcacagca	ggtgagcagc	aaactcccag	47520
gccagcaggg	aggggagcact	gtgagcagaa	tgacagccac	atggtaggtg	tgtactttag	47580
agcagggggc	tctcctcgag	gttaccctcag	ctcatgcccc	agcagatagc	ttggtgggag	47640
tgctgtgcct	gaccctccca	taacctacgg	agcccagggtg	gggagagtca	ctctccagat	47700
cttacataaa	agatgtagca	cctcacacac	tgctgttaca	gagcagataa	taaatattca	47760
tgatatgcaa	ttgaatagtt	atttaaaatg	tttatctatg	gatgaatgaa	tgaactgaac	47820
aaagagcaaa	atatacagac	aagtaagggtg	tcacaaagct	ggctctgagt	aaccagcctg	47880
ttatcaaatt	catttgtaca	gtaataaaaag	aaaacatatc	ccaccagcca	tgtgccaggc	47940

283148US0PCT.ST25.txt

actgacatgg	gagcttcaca	catatgaagg	cgcagagcaa	tcggcacaat	cctctgcttc	48000
atggaagagg	aaacaaaagc	cccaagaggc	tgggccggga	gcctgaggcc	cagcggggcc	48060
agcttcgggc	cacctcactg	tgtttcaagg	cccgccgtcc	atcactgcgg	ctgtcacaat	48120
ccctgtcttt	tcttggttgt	catatttgct	tctcacctca	tcatgtctat	tttccatgtg	48180
gttcaagctt	ttaggttaca	tggtctaatag	gttaacccaa	ataaaccaca	ttatggcttg	48240
tttattgctc	tctgtacagc	actactaaga	cgggtgttaa	acccaacttc	ctcctcgtga	48300
aagaacacct	aagcctggaa	acttcccact	tcgctgttca	ttataagggt	cgaaaaacac	48360
aaactccatg	acagtgcctc	agagggtgctt	tccagcagct	ctaggcacaa	ggagtactat	48420
catttgaggt	tttcaggatt	ttatgttaga	tgaagcagag	ttagtaaaat	cattttaaat	48480
tttcttctaa	agaactatca	agattgtaag	gacattcaaa	aacaaatttt	atgtacatag	48540
tactaataac	atccacgtat	ttccaaacat	ctaaatactt	gaaattgtat	gtaatcagca	48600
agtatcatag	tataccttta	tcatgactga	taaaaccttt	ggaagctgag	taagtaattt	48660
tcaaaaatta	ttagtccctg	aaagaccctg	aaatctgttt	cataaattgg	aatgaaatc	48720
tagctattaa	ttcaagatcc	tctagataaa	tcataccctg	ggcaccttga	aagaatcaaa	48780
gattttcagt	acttttttcc	acatactcaa	ggtataatat	tataagacaa	gaaaggagat	48840
agactgaggc	ttccatttat	ctactactca	ttaatcattt	attgagcatc	tacactgggt	48900
cagatattat	gtaggtatt	gtggatacaa	agatgaatga	agcaaacttc	ctgtccacaa	48960
ctcattgtaa	ctagagagaa	taatttttagc	aggggagaag	tagaattgta	agttgggaag	49020
gcagatttga	acaacagtgt	ggtaaatctc	aaatattaga	ctaaagggtt	tatcctgtaa	49080
ttattggaga	atagggaatt	atttggaana	taaaattaac	ataaaagaaa	taattaaaaa	49140
catactacca	gcgccggaag	tagcttttaga	gcaggggtcc	gcgagctcca	gggcatggac	49200
tggtagcagg	tccatggcct	gttaggaact	ggctgcaccg	cagaagatga	gccacaagcc	49260
acggggagca	ttaccaccta	agctccgcct	cctgtcagat	cagcacttgc	attagattca	49320
ggaacattgg	agcacaacaa	ctattgtgac	ctgtgcatgc	gagggatcta	ggttgtgcac	49380
tccttatgag	aatctaattg	ctgatgatct	gtcactgtct	cccatcatcc	ccagatggga	49440
ctgtctagtt	gcaggaaaac	aagctcaggg	ctccactga	ttctacatta	cggtgacttg	49500
tataattatg	tcattatata	ttacgatata	ataataataa	aaataaagca	cgcacttgaa	49560
tcatcccaaa	accatctccc	cacccccagt	ggtctgtgga	acagttgtct	tccatgaaac	49620
cagtccctgg	tgccaaaaag	gttagggaca	gaatatccag	cctctactct	catccccctt	49680
ggactggagc	cactttatat	ctagaaaggc	gatttatttg	ttttgttctc	tgcagtgctt	49740
ggtagaaagt	aatccactca	atatatgttt	aataaataaa	tgaaagaaac	aggaaagtat	49800
aaaccaagt	aactgattta	atgacttgcc	tgaggtcacc	ctgaagtggc	caaaccccag	49860
gttccctgtt	cagctatgac	cagagcccat	tcttcattca	ttgttaaaca	taaactagat	49920
gttttatcca	cacagagata	gctatctaga	gatatgaact	tccagaaagt	tgaccgtatt	49980

283148US0PCT.ST25.txt

ttttgtttac atgtggatat ctgatatctt gaaaatatac acatttagtc attaagttta	50040
aaattaaaaat ataggcctaa aattttttgg agccatactt ccaataataa tattatatgg	50100
atgcacaagc tatattacat attaggaaaa acaataaagc cccaaaccta cagatttctc	50160
tctctcacac acacacacac acacacacac acacacacac acactgctca ccaagattgt	50220
tgattctcca gttttccaaa cactttgttt ctctactgta gctctagggtg aaacaagact	50280
gaccttgagt ttatagctgc tgaagctggg tgatgactcc atggcttctc attagaccat	50340
ggcctcttca tctgtatatt tttcaattgc ccattaaaaa atgtttttaa attgagagcc	50400
aaaaaagagt atccattaac aaataaatgt atcattcagt cggcttattt agcagcagtc	50460
agaagaaaac tccttctgaa ctgagcaggt caggcatcta tatagaattg tttcttggca	50520
gatggctgag ctgtccagga gtaccaaagtg taggcacctg cccaaggtaa cttaggaggt	50580
tttcccctta gaaggagag agagagagga ggatggagaa cgtctctgca atcccttata	50640
tcttattgca taactttctg ctgaatggag agctgcctgc ttgtttcagg gagaatgtca	50700
tttttttata cccaaaactt aaaaaacaat attgttatgc agaaaagatt taaaaattt	50760
ctagagttgt aagtgaaaac taaattacta ggaatcattc atcaaatttt accaactcta	50820
gattctgatt ttatttttgt atgtgtgcca aaatagatgt ttacctatgg gtacagatca	50880
caaccaattht gcaagagcaa gtgggaagaa agctgactac tccttcacct ctgctgcact	50940
tcctaagttt gaccattgat atctgaagat agaagtcaca tgtgcatgtg tgaatataaa	51000
atataccttc ctcaattaaa tatacaagac aaagccactt taggaagcat attctcagat	51060
tgttggctgc agtctttgac caaccctaat aaagattaga tagttgtaac tgtaagagct	51120
gaagaaactg aaaactgagc atattttcctg aaattgtgag catagttaag tgtcttcact	51180
ttttcagaaa aactgaaatg ggatgaggag acaaaacccc tcataaccta aagctctgtt	51240
attttttttt tttctttttt ggagatgaag tctcattctg tcgcccaggc tggagtgcag	51300
tggcgcaatc ttggctctct gcaacttctg cctcccgggt tcaagcgatt ctctgcctc	51360
agcctcccaa gtagctggga ttacaggcga gcgccaccac accagctaatt ttttgtattht	51420
tcagtagaga ctgggtttca ccacgttgct caggatggct ttgatctcct gacatcgtga	51480
tctgcctgcc tcggcctccc gaagtgtggt gcttacaggc atgagccact gcaccgggcc	51540
ctgaactata tacatttcta tctgcacatc taatgtctag tatccgctga ccacagaata	51600
aactcaataa atgtttgctt ttgaacatat aaatcattgt tgttataact ctaattatat	51660
gagaataaat ggaagatact ggcataatct atatacatat ttacatatat aggtatatgt	51720
catctataca ttgttcatac agatttgagc agaaaacctt aatgagcgaa ccctgacaca	51780
tggttgcttc agctttaagt gtgtccaaat gtctaagaaa atatggaata gaatttgtaa	51840
tagggtttta agatcaatgc ataaaatatg tcactatgtt tatgaaagca tagaccgcct	51900
gagctgtaac aggtacagag ttctggaaat atgaattctt cttttcacac actattaaga	51960
gtcctgcag gagtcgaatc gttttaatgt ttctgttctg gatgaaataa gccacattta	52020

283148US0PCT.ST25.txt

cgcagctaca	atctctagct	aacacagatg	agtaataagt	tttaggccga	aatgattgtg	52080
atgtgatgct	ttcaagttag	gaagtgccgt	ccagagtcac	tggctctcag	aattggaggg	52140
aaattcatgc	agtggggaag	ctcacagagg	atctcgctaa	agactgagtt	aaatggcctg	52200
gaactcaact	tacaagcagg	ttaaaaaata	acaaccttcc	ttccttgtct	agctccttta	52260
agtgaagtat	tttctatctt	ggaggcctct	tttgaaatgc	aatactcctg	agagtgggtca	52320
caccttaagt	tatcagctaa	cactttccga	gggattagca	gacagccggc	agagaaaaag	52380
aaatgggatt	taggcaaaat	gcctgagggc	tggaggggag	acactgcctg	gagaaagggt	52440
aactagtctg	ttgatttgct	gatagacaaa	tttcacgtac	tccagagcat	ttggtctaca	52500
gtggagactc	ccaaattctg	gattctataa	caccaccaa	aagcctacaa	tttcccagat	52560
tatcttgcaa	gcaacttaag	tctgcatgga	atacaaaca	aataaaccga	ctattggcct	52620
ttgtataatt	gaaaattatt	aactttactt	agaacatatt	caaattatct	ctgaggattg	52680
tttatataca	tgagatcaga	ctttttaaat	tataaatgca	ttttaagaag	gtaaaggaca	52740
cagtaaaaaat	atagcaagtc	ttaataagcc	tacacagtga	aaactcatca	gattcttcta	52800
gattgcaact	aagatacact	acaaaaaacc	ccagatgggc	caggcacggt	ggctcacgcc	52860
tgtaatctca	atactttggg	aggccgagaa	gggcagatca	caaggtcggg	agttcgagac	52920
cagcctggcc	aacatggtga	aaccctgtct	ctactaaaag	aaacatttct	gttccgtatg	52980
aaataaacca	cactcacaca	gctacaatct	ctagctaaca	catacaaaaa	ttagtcgggc	53040
atggtggcgg	gcacctgtag	tcccagctac	tcaggaggct	gaggcaggag	aatctcttga	53100
acccgggaag	cggagggttg	agttagctga	gatggcgcca	ctgcaactca	gcctgggcga	53160
tggtgtgaag	ctccttctca	aaaaaaaaaa	aaaaaaaaaa	aaccagatg	tgccctgcct	53220
taggattttt	tgacttaaca	atggcacaaa	agcaacacac	atccagtggg	aactgtatct	53280
ccagagctga	aataaccatt	ccgtgtttca	ttttcaagag	gctgttcagt	caattatatg	53340
agatattcaa	ctcattatta	taaaacaggc	tttgtgtgag	gtggttttgc	ccaactgtag	53400
gctaattgta	agtattccga	acacgtttac	ggtaggctag	gctaagctat	gacgtttggt	53460
aggtgtattc	aatgcatttt	cgacttacat	ttttagttta	caatgggttt	ataggaatgt	53520
gtattagtcc	attctcatac	tgctataaag	aaatacctga	gactggataa	tttataaaca	53580
aaagagggtt	aattgactca	cagttccaca	ggctctccag	gaagcacggc	tcaggaggcc	53640
tcaggaaaact	ttcaatcatg	tgcgggcgaa	ggggaagcag	gcacatggct	ggagcaggag	53700
gaagagagt	aagcgggagg	tgccacacac	ttttcaacaa	ccagaactca	ctgtcacaa	53760
aacagcaagg	ggaagatcca	cccccatgat	ccaatagcct	cccaccaggc	ccctcttcca	53820
acagtgggga	ttgcaataag	attttggcag	agagacagac	ccaaaccata	ccagatgtaa	53880
ctgtatcata	agttgaggga	cattgggtata	tagcttatat	aatagaaaaa	gagaatttct	53940
cttcagtttt	aggaatcttt	tttttcccca	ggagcctatt	tttaattggt	cttactactc	54000
tgggtatagt	atgttacagt	cttagagtat	ttatgcttta	tcttcaaagt	tcagcttaca	54060

283148US0PCT.ST25.txt

ctgatcaatt	tagggcagaa	gcctgttata	gtccttttctt	ggaaccacac	cacatagaag	54120
aaataatfff	tttttaactt	ttttttgttt	tatgtcttttc	tgatactttt	tcctacggac	54180
ttcctggagg	caacaaagct	aaacaagctc	ttcaaagttt	aatcgacctc	ttcggatcta	54240
tgactgtatg	ggtaggccct	aatggactta	aatattatca	aaagttgctg	agcacaggct	54300
ttgtaagtgc	acatttcgtt	aatattgcct	ccacttctcc	atttatgatc	atggggaaca	54360
cacgcagcac	agacagaagg	tatctcccca	ctccattttt	ttcattgatt	tgtatcttct	54420
tttgccatga	aacttttcac	tatcaccaat	aacaaagagc	cagacagaga	tgaatttaca	54480
ttcattacct	taccttattt	ttaaccttag	gcaaccataa	tcgtgagcaa	gtgaagggtc	54540
aaagctatta	gtattcctaa	atgaatagta	gattttatttt	gaaagtgatc	attaagagga	54600
aatgtgctta	ttccttagtg	ctttaatttg	gcaaacacat	ttgagtttct	cttgtgcccc	54660
aggtagccgtg	ctaggctctg	ggtgtcaaag	gataaggaca	aacacagctg	ttgcctctca	54720
agatctagca	taaggcaaca	attagtaaac	tgggtctaata	ttgtgaaata	gcagtatgtg	54780
aattctgttg	aaaaatactg	aactcatgcc	caaaagactc	ggtttatcat	cccagcgttg	54840
acatttacta	gttatgtgac	cttgaacaag	tcactgtgtc	tcctcacct	ctaggttttt	54900
ctcccaaaaa	gtgtgacatt	tgaccacaac	tagatgattc	ttttctgttc	caaagctgta	54960
tgattccctg	gtcatagtca	agcccatcga	tggggaaaac	tagaatagaa	cttattggat	55020
gggtaccatg	catgccatca	tttaacgtcg	ccttgctctc	tgggggccgt	tatcccacag	55080
gactccatgg	cttctgcct	ctctaccatc	tcctctctct	gtggaagcaa	gggtcggctc	55140
acagtttgga	atctcaattg	ttgagaaagt	gtaattgttt	acaaggacag	accaatgagt	55200
aaaaccagcc	atattttcac	acacacaaaa	aggggcgata	gatctcaact	tctcattatg	55260
gataaaaatt	tcaaaatatc	aagtcaggtg	aaggacatgt	gcagcgagga	ctggtgtgac	55320
ctcaggactc	agcattttatt	ttacctcatt	agtgtaaaga	tgtcacaaga	ttgacaggaa	55380
cagcaattca	atcaatcggc	ttcaatcaag	gctaccaaaa	atgagagcca	atctcttgcc	55440
attagatttt	gggcttcaaa	caatttttagg	aagaagttct	attcgctagc	tgtataaaca	55500
ctagaaaattt	attgcctgaa	atctttgtat	gaaagattat	tccttgaagt	ctttgtctga	55560
aagttttgctg	tgtaagatta	gcaaattcttt	ttaaaaagca	ataaatatca	aacaataaga	55620
aaaagggaagt	tgagaaactc	aaagaccaca	gtttaatctg	gaatggatcc	actggaaaag	55680
tatatgttta	acatgagttc	atctaaacgt	acacgctaac	ttgtagcaac	tgagtttcaa	55740
agccctctcc	tcattctgcc	cccactggca	aacaatttct	aggctctgcta	ggagaaaaag	55800
atcttcaatt	gcctcagtga	gaggatgggg	gcagaaagga	gcctcaaata	ttccatgtcc	55860
acataaaccc	ttagtcatct	gtcacatgtg	aaatccctgc	tgtcagccct	gaccacatg	55920
gcaggagcca	ggctcattct	gaagcaacac	ttgttgctgt	tgcaaggagt	gacctgttca	55980
tataaaagcc	tacttcacag	tgccaggcta	acttttgttc	agggacaaaa	tcctctgttg	56040
ccagaaacaa	caacagcatt	tgctcctcag	gtcaacgtaa	tacctcacta	atgagattac	56100

283148US0PCT.ST25.txt

cttcttcatt ctaacagatt tttctgctat gtggagacca agaatatgag aatgcctact	56160
taattttaatg tcctctgaat attatactga tttgaaaaaa aaaataactgt tgtttcaatg	56220
ttgctgttga catttgaggc agagggacag tttacaatgg gacacgcagg actcacatcc	56280
agtgagtagg aaggactttt tcagcctggg ggaaaaataag acaaagtgat ggttaaaggt	56340
gatggctcca gagtcacagg tgtggggttg aaccctgggt ttctcatcta ctagctgtct	56400
ggctcttgat aagtttctta atctttaaat cttagtagtg ctggtaatat gaaggtttg	56460
gtgagattta agtaagattc tgcactaaaa gcaattttca ccataccttg cacgtagcga	56520
aggcctacat ttccatatat atattattcc tatttgtatt acattaccat ggctgtcaca	56580
acaaagtacc ccagacttgg tggcttaaac aatagaaatt gattatctca cggttctgtg	56640
ggccagaagt ccaagatcca ggtggtggca gggctggctt cttctgacat ctgtgagggg	56700
ggctctgctc caggcctctc cctggctgta gacgcctatc ttctccctga gtctctccac	56760
atcgtcttta ctctatgctt gtgtctatgt gcaactttcc cctttcgcta aggacagcaa	56820
ccatagtgac cttgattacc tctctaaaga ccctgtcccc caaatataat catattatgt	56880
gatgctggga gtttcaaatt tcatcacata aatttggagg agacacaatt caatccatac	56940
tgctgttgat ataggtaata ataacaacta ttattagtat catgtttaga gcagagggtca	57000
tccactccag aaaactgcat gtctttgaaa tgggaaattc tttcctagt cctcgaacgt	57060
aataaatgac ttgaagtggg taagaagagg ctacaagaat gaatgagtga gtgagtgaac	57120
gtaataaatg acttgaagtg ggtaagaggc tacaagaatg aatgagtgag tgagtgagt	57180
aatgtaataa atgacttgaa gtgggtaaga ggctacaaga atgaatgagt gagtgagtga	57240
gtgaatgtaa taaatgactt gaagtgggta agaggctaca agaatgaatg agtgagtgag	57300
tgagtgaatg taataaatga cttgaagtgg gtaagaggct acaagaatga atgagtgagt	57360
gagtgagtga atgtaataaa tgacttgaag tgggtaagag gctacaagag tgaatgagt	57420
aatgagtgag tgaatgggtg gcaggatatg aggagcctta aggatttacc tccagcaggg	57480
atggggcaag tgaccaatgg agctccaagc atctgcggga ggtaaacagc agatgtataa	57540
aaggagcctt ctcgagagcc tgcaggtcta agaccacagc gataggagga cagggcaaga	57600
acctctgttc cagaaggatt gggaccagga agaaagctgc agagaggcag gctcgtgctc	57660
acctgcagtc atgcccactt tgcccacctg ctgtctgcga ctaggccaac tcctaaacct	57720
ctctgaagct taagacctgc cacagtgggc tgtgccagag ttggagtgga gactcactga	57780
gatcatctag aagaggcacc tgcctcaaag ccttcaggta ataccacac ataaacctta	57840
gggtttttcc tacctgcaat tctgtgttct gggcccttca cgatgaccca gccagcctag	57900
gcatcaagcc acggaaagtc ctagaggaag tgggacctgg ctgaagtggg tataagcatg	57960
tagagaccaa agctggcaga agatgacccc ggctatccat ccccatattt tgggaacttc	58020
ctggaggaag ccatacctacg aggtgcccca gaggaagga acctattttt aatgaggtta	58080
cattgtaact aaattgatag cagggagggg gaaacagaag cttctgaggg agtatagggtg	58140

283148US0PCT.ST25.txt

tggtggatat	ttgataatac	tctgaaatat	ttttggctct	attttatttg	cttttactac	58200
aagaaaagaa	aatctgcttt	atthagaaaag	ccatttagaa	gtccttactg	gctaataaat	58260
acataataag	taaatattta	ttatacttat	tataatatat	ataatactat	ataatatata	58320
aatactatat	aatatagtaa	tatatattaa	gtaatatgtg	gacttccttag	gaaagtcaca	58380
ttatacattt	attagccaac	ttaaactcaa	aaatgagaaa	taagaatgtc	cttttataaa	58440
ataaacaaga	cacacaaaaa	aatctaactc	caaatatcta	attcaagctg	ctgattgaaa	58500
gttggaattg	aagtggcccg	tgggcaactt	ctacttccta	ctacaaaata	tgttgttttc	58560
cttgcaaaag	agtacttgga	aattcttcca	ggcaacagca	aattcagtaa	gcagatgagg	58620
gactctgact	gattaatata	aatgagagtc	tagaacagca	gaactctgga	aaatgagcaa	58680
gtaaagaagc	cctgaaaaag	aaaaagcaat	aaagcttgcc	tgttgattca	ggaaaacagc	58740
ctccattggt	actgaaactt	gattcacagt	tgatggtgag	ttatggaaaag	ggcaaaagga	58800
caaaatcctt	ttataaatat	agttctgtag	ggcatgggaa	gcaatcaaat	ggtgctgtga	58860
gactgaacac	aaatcatgct	tttttcaagg	ataattattt	tgaatcaaca	acctaagtat	58920
ttccagtgca	cttctgcaag	acaaatatatt	tcttgggatg	aaaaaataaa	tatgtttttgc	58980
aaagaaatcg	agaccatatc	caaaaaggct	gaaaaggggtg	tgtgtataca	catatatacg	59040
cctatataaa	cacatcatat	atgggtctatg	tacatacacc	acgtgacacc	atgtatcaca	59100
tacatgcaac	atataccaca	caagctagta	ataattattt	gtaccaaatac	tatttcttaa	59160
gactgtaata	ctgtgttcac	acagtcacca	tttagagata	tattatcaca	gtgtcaatca	59220
ccaggactac	agactattct	tatagcttgc	tgaagttag	ttttgtactt	agaaatcaga	59280
gctgatctct	catacacagc	aggaattaaa	tatttaacag	ttctccatag	aacttcataa	59340
aaaaagagta	aaggagacag	aaattactgc	ttttgtagaa	gaagaaaatt	agtgttttgt	59400
gtaatattta	cagggactgc	tgatggagtc	tcaaagcaag	aattgttttt	tagggtaaaag	59460
aagtgaattg	gcaatacctg	cgttactgga	cagtccttaa	ctccttggtg	gtattctggt	59520
taggaccttt	ggtgaagggt	cagtcatggg	attttgaagg	gtgcattgat	ctcatcagga	59580
aacattctgc	tgccattgta	acccttgccc	actgtgat	tctctaaaag	agtggagact	59640
ttttagaaca	cggaatgact	ccaacaaggg	tcagactcta	acaaccaaac	aacaacaatc	59700
aacaactact	tcacagttct	cagagatcag	ccctgccacg	ggaaacgcac	agtaaagcaa	59760
gagcaggggt	gacattctct	gtgaaatggc	atcaggcatg	actctggagc	aatcttacag	59820
atggatagcc	ttgatctcct	tccaccagtt	ggctaaagga	ttgaattttt	tactatctgt	59880
aggagatagt	ctatgatctt	gttccaaata	tctgaataaa	ctttaagaac	cacagtgcaa	59940
tcacttggac	acgatcccag	atccatccgt	ccattcatcc	atccacccat	ccatccatca	60000
ttcacgattg	actcaatatc	ctgctgggag	ctgggaaaaa	agagacatga	agtatccctg	60060
cctctgagca	gctttcagtg	cagatgggtat	gccagggaca	atatacaaga	cagaatagag	60120
ttcattcaag	tattctatgt	tttgttattt	agttttcaaa	tatgaaccct	ggatggaacc	60180

283148US0PCT.ST25.txt

aggctttgtt	cccccaagtt	atcagctaaa	gagaaagagc	tcagccaagt	gacaagggtgt	60240
tgccgcagt	ataactcaat	tttgtggttt	tcagaaatgc	agaagaaaga	aggttggaaa	60300
gaatgggctg	gactccccg	aagagtgggg	ctcaaagttc	tggtctcagc	agatctttga	60360
gggagacgta	gggtctaggc	cggcaaaacc	agagagaagg	ataggctttt	agatgctcat	60420
cccacccaaa	accatgaaat	aatctcccct	gtctcctgat	tagtatttgt	cagcctcatt	60480
tacccttaag	atttgtgcaa	atgaaaaacg	ttaaattgcag	ttcctggatc	agtaattaaa	60540
cataattatt	tcagtggaa	agatttttgt	tttcataatc	tcctctttgt	ctgcatagag	60600
ccagctcttg	gttacatctg	ccactgatag	cctttgctct	gtttacttta	aagaataagc	60660
cactgtttga	tttggtttct	tgttttcaat	atgtaaaccc	tggtctcttg	attccccatt	60720
ccaggaagga	aaaaataaaa	gaacaaggct	ctttaaatat	cagagccatg	atgacttaac	60780
agatacacgc	aggctcaata	ttttatgtaa	cagccactta	ggaaaatgcg	taagaatttc	60840
ccagctggca	gccctgattt	ggcaggtgta	cctcaattga	accaatcgct	tttcatctgg	60900
ctgtcaattt	gtttggtttt	tctggctaca	ttgcaccaga	gtctgtgtgt	attccaaaag	60960
gtcgttcacc	tattccacgg	ttcaaagga	tcattctgtt	cacttaaagg	gtcactgtaa	61020
tcatatattg	aaacatagct	aagtacgatg	agctagaatt	ttaggagggg	taaaactaat	61080
aggaaaatcc	aggagtataa	accacaaaac	acacataaaa	aaagagataa	aaacagaaaa	61140
cataattcct	caattaaaaa	aaaaaaggaa	ccaaaaagaa	aaaaaatcta	taacaaacca	61200
cactgtagga	gtctcactat	acactaaaat	taacaatcac	agctggggta	aatactttat	61260
ttattttatt	catattctgc	actggcagca	tattctagtt	gcctgtttga	tttcattaat	61320
ccaaagcaaa	agagaagtag	agattttatgt	aaatttcatg	ttatgctcag	attgtaaggg	61380
agccactaat	tgaacttcag	gtcttcctta	ttggaaggaa	gacctgaaga	tgaatggctt	61440
catgaaataa	tcgtaaatga	ataattcccc	cacatccgta	agtcagccta	cttctgtaaa	61500
cagaaaaaca	aggtagtagt	cccatagtct	attttttaat	ccagaaaaag	tcattcttgc	61560
agcaagaata	agggaacta	tgtcccaaaa	ataccagggt	ttccagatat	agggatcatg	61620
tttgaccaa	acaacccttg	gcctaaaaat	actgctatat	tcaaataaga	ggagttgctg	61680
ttatttaatt	ttactatact	atttatactt	acatgggatt	tttataatga	tactactgtg	61740
gttttcacag	atgtttggct	tgtaaaaatg	ctaaagatta	caatctttag	gtcaccaact	61800
acctgtat	atggaggcta	caggacagag	cacagaacag	ccaggaagcc	aaaacgcgct	61860
cgaattacct	ccagcactta	ctgccgcggg	actcaaaccc	gagtcctttc	tgggactgct	61920
tttccttgaa	cataaaaatg	ggggtgat	caccttccac	agggatctcc	taactgtaca	61980
gagggcttag	cacactgtct	ggcactcaga	ggccttgctg	gatcgtgatc	cgccccctcc	62040
agtcagcgac	tgagaccctt	cactggttca	agggcaaaaca	cagtgtgtgag	agctgtgtgc	62100
ctggatcccg	ccagcaggtg	tgctggggta	gggaatggaa	gtcaggcatc	ttgatctcca	62160
tatgtatcca	ccgatggaca	ccctgcctgc	ctttcactgg	gctcacccta	aaatgggtgaa	62220

283148US0PCT.ST25.txt

caaagaaaac agctctcacc tctggagcca acacggaggg gtgggtatga gtgcagatgt	62280
ggtgggggtg ctggtggagg cttgctgccc atctggcttt tcctgttatt gacatgctca	62340
gatgaaagtg ggccctgttc acaaacatgg catccattcc tgggactcat cccgagcaga	62400
acctcaaata aaaaccagaa caaactacac taatttgctg aaccccaaat ggagccaaat	62460
tcaaagctct tacgaaacta caaacagaac cacagtttca aaaacaccag gaaaatagtc	62520
tcaacaagac attacctaca tgaaggatgt ctgaaatcta ttttagtgta aaaatgctat	62580
aagtttactc tcctactttc taaaattact gaattagtta ttaaaataac aacctaagta	62640
atctgactgt aaattgagcc atattttatt taccctaaga tctctcaatc aaatggagat	62700
ataacaaggg ttatcaattt ctactgcatc tttcctgta acatattaaa tctccatctc	62760
cttgagagaa gtacattgat tttccacag gagaattttt ttctagctcc aagaacagct	62820
gagggctgca aaactgagca gatggccaca tggaagaatc tgcttggttg ataagatagt	62880
ttaaaagaaa aatcacctga ctgcacatcc caaatacctg tcaaagtagg tcatgaacac	62940
tgcttgattg gaacaaacca aaatatttaa tggatcgaat cttccagagt tcatgataac	63000
tgccccacca aaggtctggg cttagcact gatgtttcct ttaattataa agcccagatt	63060
gtaaggcaaa cacagccctg ccagtgtgtt tgtaggtcca gtcagtgact gtgctgcgtc	63120
cacaatggtc tttatcattg tcacttgttt gacctgacta taactgagta aagcatcatc	63180
attacaaaat gcagcatgcg ggatagtaat cacctaaaga tatggttcaa gcacttcacc	63240
aacctctgaa cctgaatatg cctaataaat tttgtaaacc ttacaaaaag tgaagccagg	63300
tgattatcag aaaaaagaca tgtgtcatac taaagaaaga gcatgttctg gacctgagaa	63360
aacagcagtg cagaagggaa tgtcttttct ccacagtgat atgtggccac agccttgaac	63420
agcaaatttg cagattaatg aagatagtaa aatagatcac atcctcctgc ctccaggtat	63480
aatattttat tcatataaga gctatgtgag ccttgattta tatgaacttt cattagtagg	63540
caaaattcaa tcataagggt tcctcttttc acctctaggg gtccttaaata tcaacacaca	63600
gtcaaatggt gattggcttc ccctctccct aggtaatacc ccacccccca gcctcccaaa	63660
aaagacagaa aaagaggaaa atgaaaaaca agcacgttag aaaggtggcc agacaaaacg	63720
gtttgcatca acaacataac ttctgatttg ttctcccgct gggacagtct aatgcagcct	63780
cattcagctg tgcattttca atattattca acagagccca ctcagggtcaa agtagagtct	63840
tttccttcac aagtacagag atacaacact aggtttacgg gagggctatt ttcaatcttc	63900
ttgagcggta atgtgtttcc attatggttc catctatttg tgatctataa tgctttccaa	63960
atagcccaaa atttcaaaga agctctagtt gggtccaaat ggaaatgaga ttacatattt	64020
agtattattt tattctcaaa tgttagattt aattaggttg ggagcattca ttcactgccc	64080
cattgtgttt gttgacttca ttaagggaca atcacagaat tgcaggggaag tccacgtagg	64140
gcccccaaaa ctgcgattgc ttttagcttt tataaaccat taaaatgtaa gtcaagcaca	64200
taaatatatc tgctatgaaa agaagtggta ttgctaagtt ccctgataga tgatgacagg	64260

283148US0PCT.ST25.txt

acttctcaga	attcgaaggc	cagtgtttta	atcttcaggt	tctctcaggt	cacgtgcttg	64320
ccaatgacat	tggaccagga	atctccagag	gtgagaaagc	cccggccaac	cccaaattgca	64380
gctcttgctt	ggtgaaagca	gagatggggg	gaggacaggg	acacaggcag	aaccctgccg	64440
cgctccagct	gagctgctca	cttgccactc	ccagagaaaa	caggaggatc	gacctttctc	64500
tatgcaacgt	ctaaaattaa	tttggtgctt	aaaatcagag	gtgggtcaag	cagttgatta	64560
cctgagggtt	cctttggact	aacaaaggcg	tctcttcagc	atggtgaatt	gctctgatgg	64620
ccctgggccc	ggagcagtga	tttgagaaaa	tcacccatgg	caaccattag	gcaatgagtc	64680
tccattgact	gccaaaatct	cactgaatat	tgaaggaaaa	gagaatttat	atgtaatcca	64740
attcagagca	acaacaacaa	caacatcaac	aattcaatgt	tccccagttc	ttcatgggaa	64800
aacttcaatc	cagggtccaaa	gagagctgca	agaacagcgc	agttcacaca	gaaagtctgc	64860
attcacaggc	tgggctgggg	tcgcaactct	gcgggcctcc	ccaccctgcc	acgctttgta	64920
ctgctgtgtg	atttttagcg	aggcatttag	ctcacacagc	cttagtttcc	tcattctgtaa	64980
aattgaatag	ctaccttcta	ggctttggga	gaatgcaatg	gaaaaagaat	cttgcctagg	65040
gcatcatcag	ctcagtaa	aatagttatt	atcatgatga	ttatcctcca	ggtagctgtg	65100
atgtgtagaa	gcccagaacc	aagtagcaca	ggagacagag	gtagttaatt	caaccctcct	65160
ccaatacaac	tgagtgccct	aattatccga	atagaagctc	cactgcagga	aaactctggt	65220
ttggagctca	aggaaagacc	tacaagggag	aaccacagag	ctgtaattat	cagctgaaag	65280
aggaaggaag	ttctaattct	acagagccct	tggagacttg	tgaacacccg	aagcttggag	65340
aaggcttcaa	cagggaacaa	acggtgaaag	ccacacaaaa	atgaacttag	cagcaggaag	65400
gagtactcca	cggtccccct	cacctctcac	caaagggata	cagatatgtg	atgggtgttt	65460
ctgtaataata	tgcctcattt	tccaatggaa	aacctccata	tacacatgag	tgcattggaga	65520
ggtcatagtc	actggtcaag	gagttagaga	tgagtgggga	aaagtgatag	ggtgagcatc	65580
ctcaatctgg	ccccacccta	tctggcgcca	gacacctaat	gaaccacctt	tactggggga	65640
gacaggggtca	aggatgaagc	aatttcctct	tcatatctag	ctatcattta	ttctacatag	65700
ttgatgcagg	caatatgctg	gctgtttgaa	gcagggtgata	tttctaattc	acacaatggc	65760
ctgaaaggta	agtattatgg	aatcacttat	ctggataaat	aaaacatgag	gttcagagag	65820
attacgtaac	tggcctagat	caataggtgg	gtaggcagac	aggtaggcag	gtagatagat	65880
atagagattg	aaatatactt	taaaaacact	ctgtttgccc	tacattcctt	gcttttagata	65940
ggattctgaa	tgtggggcg	gcaggaaagc	tgtcagtcac	gaagggagcc	tgcccaccac	66000
aaggcgagtc	atgtgaccca	ggccagagaa	tcaggttacc	ccacagggaa	catcagtgat	66060
tggcccaggg	gtaagcaggt	agctcatgta	gcaccagagt	catatttttg	aagtttttat	66120
ggaagtggga	aagatctctt	ttggaaatta	ccaactccag	agaggatggt	agcctgggag	66180
tgccaggaac	tttctgtgtc	actggggaaa	gcgagacttg	attctccgga	tatcattgac	66240
catctgggtc	ctgtggtgcc	tgacgctatg	agttctcaaa	gtggggcccc	caaagcagca	66300

283148US0PCT.ST25.txt

gcagcagcct catggccttg ctggaaatgc gaattctcaa cctcagctcc cagactcact	66360
gcattacaaa ctctggaaga tggagctgac tcagtgagat ctctttccaa gctctctaga	66420
tgggcctgat gcttattttg aaaagcactg ttctaggtca atccagggaa ctgttaaact	66480
tcatgagcca atagataccc ctcttcttgc ctaaactttg attataataa aagaaaaata	66540
cagcaagata gttttgaggg ttttttaata aaaatttaca attatttttt aatcgcaagt	66600
aaacttaatt attttaccat taaaacctct tcaacacaga aattcctttg aggtttttag	66660
ttttgttctg tgtttgtttg tatgtgaggc aagacacccc tggatgcttg caaagaagag	66720
gcaatttgaa gtgaaacagg cagatgtaca atctgatccc ataagtgacc cactgcagaa	66780
cagacagctg gacatatgga catatgcagc tgcctgtcat ttatacacga gagttaaaca	66840
gttggaag agagtctggg ccacagagtg gtgagctggc tagaggtgag gatctagcca	66900
ttggataaca ctgtacttaa aacacaaaac tctatccaag aagaggaaat gattgaatac	66960
gaagtatttg aaaaaagatt tgaaagactg aaaatgaaac acttccttac attcgctaag	67020
tgagctgaga aagaattgcc cagaagggtg atacggaggg ctagagaaatg aagacgacag	67080
ggagtggag gagagagccc acctacatgg caccagctt tgcagaggct cctgaagaca	67140
caaggttgaa ggccctggac tcaaaaattt ccttgactct gccaggcaag agggttagct	67200
gtttcagcag agggtagagc caagcgaaag ctggagagtg aataagaaat gctaggagca	67260
attgcgtcag gtggggcaac caggactgtg tttgccttcg gaccagggtt gccgagtaca	67320
gatagcaggt ggtttatgtg aggcctggag caggggtcat tgcaggagac ggggttgctg	67380
tgtgcctata aatggagtga aaaagtgagt gcaaagaaat ggaaaagtta ggagatgcag	67440
cataacctgt gaatcatgat ccctgacaaa gtggggaggc tcatgggtgc aggtgtaggt	67500
gtgtgtgtgt gtgtgtgtgt gtgtgagatc acatggctgt ggacagaggt gggctggaac	67560
ccctaacttc caggaaactc caggttcttt tcttcttcta cccataggct tgcattgtgt	67620
ttttctaggg tcactcatct attcatccaa caaatattca acaagcacct gttacatacc	67680
agattattac atacatgtgg cagtgcacgt aactgtgaag ctgtgtacta cagctgcagg	67740
gcgaggactg gggcttttag tcccaccttg tgcaatgtgg gatcttctcc atcgtcatat	67800
caagccaccc cacgtgtatt taatgtaagt tggaacactg tgcttgctac aaaagtcagc	67860
ttcagaagaa gccctccgt ggatcaccac ctccctacaa gctgcagtcc taatctccta	67920
tgtcaaaatc agggactgct gctgccccgg ggggtttaga gatgaagacc cagactctga	67980
ctgaggagtc tcccagtga aggaaggagg cagaagccca gtcaccagtg acgccaccca	68040
gctgagtgga ccgcgagag ggaggcggac gcagggcact ccaacatgga cctgagaggc	68100
acacactgca atgcaaattc tccacgatag tccacaggat gtactgggag aaactggaag	68160
gccacaggag aaacgtttgc tcacgaaaac acaggcattt catgtgcctg gagcacggga	68220
tgaagaattc cttagacttt gagtgccaag ctagtgcttg gactttcttc taaaggctcat	68280
gggtgagccc ttggggaatg tggagaccac tccggcctgc gatggagaag gaaattgtgc	68340

283148US0PCT.ST25.txt

cagaagctgg	gaagtcaaag	ttaaccctcc	aggctagatg	taagtaacgc	gtggggctgc	68400
acatacggct	gtggcagagg	aaatgggaca	gagggattga	ttttagtaca	gaaatcctaa	68460
ttgggcttaa	agtaggtatg	ggaaaacccc	tgaaagtgtg	tgctgatcct	ggatatgtga	68520
gatattatct	tcctcctggg	gtaaacttta	attctcaaag	gagtctatga	cccccaaaaa	68580
agtcattctc	ctacttgaaa	gatgcttgag	tgtctaattg	ccaggagcgg	gtgttggtgg	68640
gataccaagc	ggtagggagg	acacagtatc	gtcctcaagc	ctctgacttc	tcctagacag	68700
ggtagctaag	aggacttttc	agatatgttg	cttttgaggt	gtctgtgagg	agagggaggc	68760
aggaaacgca	ggcacacgca	ctcacagtgg	acgcgtcttt	agaaagctgc	acattctcta	68820
attgagttaa	ttgttcacgc	actgaatgga	gctgtttctg	ctcaagctag	ggaaagactt	68880
gtcagctgtt	tcttcacttc	catgaccttg	gaaaatccgc	tgtctccacc	agacactgat	68940
ccttggcaca	gccactatct	gatacactta	actctgctca	ggatttttaga	tctcaaccce	69000
ggaaatgagc	tacagtctca	ccccaggcaa	gtacagaaca	ttttcctaac	caggagagac	69060
gcctgtgtca	cacattccaa	aggtagccag	cagctaagaa	agccgcaaca	aaggaaatca	69120
aacagctctc	tctcccctaa	acgctgcttt	caggcaagtt	ccaaacaaaa	atggaggatg	69180
cactgcaaat	taaaaacaaa	agcctgccag	tcaaaggcag	tgttttttaa	cacagaaaga	69240
gcaataccac	tgcagggggc	agataaaaaga	gcttttgagc	atctcagaag	ctactcacac	69300
acaaaagcac	ctctgtgcct	tcaaacagga	tctcctagaa	gtttcccaag	gtttcataac	69360
ccaaataaccg	ctggtagtga	tgtgggtttg	aaattaacct	tgctttttct	cccactgctg	69420
ttttacatat	taattaaagt	gttttcctca	gatcaggaac	gcctgcaggc	tggctaggtt	69480
ctgcagaagg	tgccctatct	tcctgccgct	tcccgcctcg	gccccacttg	tgcatagtct	69540
aatgattaaa	acttccccag	gtcagctgta	gacgcctccc	ctcccttaac	tgccatcgtg	69600
atatagaaca	cacactttta	tgtgggtttt	aaaaagtaat	cgcttcccca	cccccaaga	69660
aagataggct	gtgcagagct	aatttcggga	agccatttag	aagaaattgt	tgagaaggca	69720
ttgaagtatt	tgggtccaac	tctgcttacc	tcattcatgg	acctgtttct	tttctttttt	69780
ttctttttcca	gtgcttgaaa	taggtgtgca	aacaattcac	atattataaa	tacgttgact	69840
tgggccgggt	gtggtggctc	acgcctgtaa	tcccagcact	ttaggaggct	gaggcaggag	69900
gattacttga	ggtcaggagt	tccagacaag	cctggccaac	attgcaaaac	cctctctcta	69960
ctaaagtaca	aaaattagcc	gggcaagggt	gtccgtgcct	gtaatctcag	ctactcagga	70020
ggctgaggca	ggagaatcgc	ttaaaccacg	gagatggaag	ttgcaatgag	gagagatcac	70080
aacaaccac	tccagcctgg	gcgacagagc	aagaccctgt	ctcaaataaa	taactaaaat	70140
gaaaataaat	aaattgattt	gttttcattc	atataatttg	gggatacaat	ggagcttaaa	70200
gtttgaaaac	caaaacggag	ctggccacca	aaggtgtgga	tttgggtcaac	aggggtgtgga	70260
ctccagcagc	ccgtgtcact	ctcagactcc	atgtctcaat	ttgaatgttt	ccatgtcact	70320
taaaagtag	aatattcata	gtgatgttga	agatacaaaa	gatataccag	gattaatttt	70380

283148US0PCT.ST25.txt

ctagtcaatt ttatgtgtct gtgacccaag acaataaaag ttaagtcac gttagttcct	70440
tagttgctgg acacttttagc ccaatatacc accttcaatt ttgaattatt atttggactg	70500
tgttcatgag attccttgag tatgttaaata caacacattt ctttgtaatt attgagaacc	70560
ttttgttccc tataaaatca agtgtacgat gatgtaaact ataaaacgca aattgtaggg	70620
acaattggta atctgcagtg aaaataaagt caaaatagca aagagcagat tattctcaaa	70680
tttatgtaac agagtttcta catgtggaag tggatacaag tattagcaca ttcagttgat	70740
gtactgaaaa taaaatgaaa ctatTTTTtct acttactact tgcttgtgaa atccaaaggg	70800
gtgaataaga gccaggattc attgtcatga gtgtaggggt gccctgggaa ggaggcctcc	70860
atcccacgtg tcagtggcgt catcagaaat tccatgatcg tcggcttatt ctttgcacac	70920
gtgtctacag ggtccctccg cacaccgact tgggtgtcctc caggatgcag aaaacccaaa	70980
ttaaactagt ttaatgaata aggaaactaa gtggctctta ggaccataag ccctgcgggtg	71040
acgcctgctt cagggctgga ggagctaagt gttctctggt tcaccaaagc cccagttct	71100
ttccgtctgt cactcatagc ttcggcttcg tccccggctc actgccagt gtaatcaggc	71160
tgcccaagaa cttctgaaat ccacagcccg gtgtttccaa acgaattatc agtaggggtg	71220
gaatcccttc tccccagccc cagccccagc aaggccctcc aacgccactg cagttccctg	71280
gatagcagga agaggcctga gccggctctc ccggagctcc aggtgcagag tctccccaca	71340
tgggagtcag tgttctcaga gcagcatttg ttgacctgag ctaaccaagt tctctaactg	71400
aaagcctggc tgtgtaaagc cacagatgtc tggcattaga atagctcaag gacaggagaa	71460
aaaactgaca atcagtccag aacggcatcc caggacttct gctctgagga gaaaacagga	71520
ctaaaccca gctgaggtct atttccaact ccaagattct gcaatgttat ctctgtttaa	71580
aaagatatcc cactttttga tgacagtgtg tctggaattg gtgggttctt ggtctcactg	71640
acttcaagaa tgcagctgcg gaccctggcg gtgagtgtta cagctcttaa aggcggcatg	71700
tccggagttt gttccttcta ggtgggttcc tggctctctt ggctcaggag tgaagctgca	71760
gaccttagcg gtaagctgtt acagctctta agtcagcgcg tctggagtcg ttcgctcctc	71820
ccggtgggtt cgtggtctcg ctagcctcag gagtgcagct gcagaccttc gtggtgactg	71880
ctacagctca taaaagcagt gtggacccaa agactgagca gtagcaagat ttattgcaaa	71940
agacgaatga acaaagcttc cacacgacag acacaaaccc taacagattg ccaccgctag	72000
ctcggagagc ctgcttttct tcccttatct ggctccaccc acatcctgct gattggccca	72060
ttttacagag agctgattgg tctgttttac agagagctga ttgggtctgtt ttgacaggggt	72120
gctgattgggt gcgtttacaa tcctgagcta gacacaaagg ttctccaagt cccaccaga	72180
ttagctagac acaggggtgct gattgggtgca ttacaaaccc ttgagctaga tacagagtgc	72240
tgattgggtgt attcacaatc ccttagctag acataaatgt tctccaagtc cccaccagat	72300
cagctagaca cagagtgtcg attgggtgcat ttacaaacct tgagctagat acagagtgtc	72360
gattgggtgta ttacaatcc cttagctaga cataaagatt ctccaagtcc ccaccagact	72420

283148US0PCT.ST25.txt

caagagccca gctggcttca ctcaagtggat cccgcccggg ggctgcaggt ggagctgtct	72480
gccagtccca cgctgtgctc ccgcactcct cagcccttgg gcggttggtg ggactgggcg	72540
ccgtggagca gggggcgggc ctcatagggg aggtctgggc cgccaggagc ccacggcggg	72600
ggtgcggggg cagggtcagg catggcgggc tgcaggtccc gagccctgcc ctgcggggag	72660
gcagctaagg cccggcgaga aatcgagcgc agcgccggtg ggccggcact gctgggggac	72720
ctggcgaccc ctccgcagct gctggctcgg gtgctaagcc cctcactgcc cggccgctcc	72780
gagtgcgggg cccgccaagc ccacgcccac ccggaactct agctggcccg caagcgccgc	72840
tcccagccct ggttcccgcc cgtgcctctc cctccacacc tccccgcagg ctgagggagc	72900
cggctcctgc ctcaagccatc ccaggagggg gctcccacag tgcagcggcg ggctgaagcg	72960
ctcctcaagc gcggccagaa tgggcgccga ggccgaggag gcaccgagag cgagcaaggc	73020
ctgtgagggc tgccagcatg ctgtcacctc tcgacagagt cacaaagcat ttactgaatg	73080
cctactgtat gccaggccct tttctcaagt ctgcttaacc aggagtgaag aaggctgaca	73140
ttaccgtcca tgtcacattc tggtaggaga gggatacaga gaacactaca agtaggtgaa	73200
ataggtagta ctttaaagaa tgagaacaac atggaaaagg aggctatgaa atactgagaa	73260
tatggctgga gttttcattt tagataagta aatagccaaa gaagccttga ctgaggaagc	73320
agccagccct gtaagaaagg agaccctgc catggctctg agacaagggt ttgagtgggt	73380
tccgcaggag gcatttccag gaggggaagg agggaaacaa cgagggaaaa gtacaagggtg	73440
tgctcaccct tgaatgagtc cccggggcaa cccggatcca cctgtccagg ctctctctgag	73500
cacgtgggga gcacgtggag agggagtggg ggagtcgtgg gggagcgtgg gcagcgcttg	73560
ggggagccgt tggggacttg gggagagcgt ggagagccgt ggggagggcg tggcgagct	73620
gtcggggagc cgtggggggc gcgctggtca gcacttgggg agcgcatatga gagccgtggg	73680
gagcactgag ggaggatgcg gtggccacgg ctgcgtggca cccccaggcc atggccagga	73740
gaccctcggg cggcgaggt gccggaagca gcgccatccg tgctatggac ggggtcccc	73800
aattggcagc ggtctcgggg gtgagccaga ggatgggggt actgagaggt ggccgatgtg	73860
gggatggtgg ttttcaaata gaggcagat cgagcagga gctgggaacc aaaccagaag	73920
gttttcagga cgtgggttaga ctttgaagcg gcctaaggct gtggcacatc tgaccactt	73980
tctaccaac attgcggttg cttcttagta aggaacgggc tgaaaggggt aagggaaggg	74040
gtgggggcag ggcactggga aaccaccatt gccaacatcc aggccaggca ggggcggcag	74100
gggctgggcc agggcgaggg ggacccgact cttgctgcgg ccgctgggaa gagggaattg	74160
ccatagagcc agaacaggag gcgctggggc agggctctgc tgtggggcg ggtgctcagt	74220
ttgggacagt gttgacactt ttggagatca tcagccatcc cagtaggtga ctccaggagg	74280
ccactggata tacagctctg ggaacaaaaa acggaatcat cagcctatctt acaactctgg	74340
aatggatgag atggctgtga cgaactggcag cagctgcgcc tgagccctca gcacctgcag	74400
ggtcccatgg gaggtgaggg ctgtaagggg gcaagcaact cctctccctg gagcaggcgg	74460

283148US0PCT.ST25.txt

gcagggagaa	cagaccgcca	ctgtgctgct	ctcaaaacca	agtgcattggc	cggtcgggggt	74520
ggctcaggcc	tgtaatccca	gcacttttggg	aggctgagggc	aggcagggtca	cctgagggtca	74580
ggagttcaag	accagcctgg	ccaacatggg	gaacccccctg	actaataaaa	atacaaaaat	74640
taggtgtggt	ggcacacacc	tgtaatccca	gctactcggg	aggctgagggc	aggagaatcg	74700
cttgaacca	agacgcagag	gtttcagtga	gccgaaattg	tgccactgca	ctccaacctg	74760
agccacagag	tgagactttg	tcttaaaaaa	aaaaaaaaaa	aaagtgcaga	gttgctttac	74820
atctttacat	agaggagaat	ggtgtaagac	gcagctatct	ggtcaaacct	atgtgattga	74880
aacatttgca	tagaaagaga	gagagaaagg	atgggagaag	aaaatataaa	ctaaataact	74940
ctcctttttc	tttgctgggt	tgtgtgtttg	catttatgaa	caccaacatg	aaattttgaa	75000
ccttaaattct	agtataaaaa	tatggaacag	ccagcttcct	agagtgaggg	caccattctg	75060
tgtttgctgc	cggtggacct	agtgtgggtt	ttggcgccaa	tgctcctttc	tgctaaaaca	75120
acttggcctc	ttggaaggaa	acttggactc	tgttgccctg	actcaaactg	ttgtttcatt	75180
tcttatgatg	tctcctcatg	ttaaaaaaaa	aaagaatgtg	gacattatgg	gtttaaacat	75240
aattttgaat	gaatgaggaa	attctggtag	agggtttgtc	ataatgcagt	atcaattggt	75300
taggtcttct	aaagaaacat	gtagggttct	cttaggaact	ggttcattaa	atctaaaagg	75360
caaaaaaatt	aaaacacact	tttgatatat	ttgttggagt	tacatataat	catatctttc	75420
aagagcagat	gtgccaaaat	atacacaaca	gagtgtagct	gggtgacccg	aactgaccac	75480
gaaagtcatt	tatcaaaatt	caaagttagt	tccccacagg	cctgaatttt	cagacctaca	75540
cacaattcca	caaacaaatg	atggtaaagt	cccaaacacc	acattcttgg	agggatccaa	75600
tgctattggc	actgatgctt	taatcagaaa	gaggctcaaa	cccactggag	ttaagctctc	75660
tgaaagtctt	tgctccttgg	caaccacgag	caaacctcta	cagctgactt	ttttagagta	75720
ttttttacat	ttttaaaagg	attatttctg	aattataaaa	ccaccgttac	caccttattc	75780
ttgtaactct	aacttattat	tttgagtcaa	tttataaaac	ttgattcatg	agagtcaaga	75840
ttcagggtag	gccagacagt	cactcattcc	taccctcaaa	gagcatacac	tcaaatagag	75900
aatgaaacac	gtgccccaa	tcagaggtaa	atattataag	caaaagccaa	agtgttctgg	75960
gtcaaacact	ttttgggggg	tcagtgaggt	cttcatgcag	gggtaacagt	ggagaaaggc	76020
cttcaaggat	ggggaagatt	ttcccaggca	gagttaagaa	caaagagaaa	gcagtttgcc	76080
aggagacagg	gaagcaagtg	tgcaaggagt	gaatttgagg	ccttcctaac	tctgggtgtg	76140
acagcagagg	ggacctgccc	atgagctgtc	cgagatgcag	ccaaagggtt	caccgcccac	76200
gtgataaggg	gctagaacac	tgaagtgtag	aatttggact	ttattcagta	agaacgggga	76260
agtactgggg	gtccctgagt	agagaagtgg	gatcctgcaa	gctgagcatc	acaatgattc	76320
gtcaggtgat	gtctcagagt	ttctctgaat	ggcacataaa	ccagagacag	gaaggtgagt	76380
ccagccgttt	ctgtggccca	gcaagaagta	acaagtaata	agtaaagtgc	tatcagtggt	76440
aatggcaagg	gaggggagg	tacaagtcac	atttcagaca	ggagttgatt	ggatgtgggg	76500

283148US0PCT.ST25.txt

agggcccaag gatgtgggga gggagctgtc agaaataagt ggccctctaa atttttagccc	76560
cagtgactta gagaaaatgg tcaagagatg gaattggttt tcaggggaaga cactgatcca	76620
ttctggacat gttgaattta agatgccatt aggaaaacca aattaaggca ccttgcaagg	76680
aaattgcaca tgtaacatcc tggcttctgg gatttgagag gtggctgcaa agagagaaag	76740
gcagtaaggg atctccagag aaggagatca cacaggaagg aagtgaaggga tgggaagtca	76800
ttgttgggaa gttgaggggtc aaggacattt agagagcaga gggagaaaaga aggggtggcc	76860
attgcactag ccaaagaaaa tgttcagcca ctgcgcctgc agggaaggcg aggggcaggg	76920
tggctgcgca tagatgtgga attagccgga ctcaggggtga agccatgatt ctgctagtgt	76980
ggctcttgtaa cctgggacat ctatctgagc gccctgtcag cgcttctctg cattgtaaat	77040
gggagttgtt gcaaggggtga aataagacgt aagggtgtttg gtgcaagggtc ttgtgacaac	77100
tagcactaag gaatgggtgcc tatgacctt attaggcagg aaggagtcaa cagagtgagc	77160
tgctgtctga gggggttggg agctcttgca acggtggcat cgagaagggt gtcaacacag	77220
ccctgtcaac ggctgaggggt ggcagagtcc atattgcaaa ggagcacggc ataagtggcg	77280
aggcaagaag tagatggatg ttctatTTTT tcctttctct atctggacaa aggtctTTTT	77340
ccttccaagg tgtagctgga ttttctctct atagagcttc cctggggcgg ttccattttc	77400
tagtgtctcc atgagtcttt gttctttata tgagggtcca atgatgcat ccactcattt	77460
gctttctcac aggcatgttt tccaccagcc acccacgtg attagcttga gagtgactca	77520
aggcaggaac gatgcccttg tcgtagaaca gcctctgatc gagtgccttg tgaacagctg	77580
gctagctctg agcatgaagc aaaatgcagg aagctgggggt gtgtgaggag gagcagggac	77640
agcttaaaga agagaggagg gagaggagg ggactcctgc ttggggcacc ccacctcctg	77700
gatatgagat cacttggtgt gagcaggcct agtagcagg aagtgggccg aaggggaggg	77760
agtgaaaaag tccatgtatt gagtcacctg aggtgtcatt taaagagaca ggaataacaa	77820
aacatcaatg ggacctaatg tgagattaga attaccgact tgacttgtag tgtcacctgc	77880
caccaggggt gaggaatgtc cttaccaca aggtcacctg gggcttgaga ttgaaatct	77940
gtcagccttt ctgggctgggt ctcttgctc agtttatgct cacacagctg cctcaggatc	78000
agtgtggaca gaaagggtacg tgagactgtg caacggagat gggctgggag aatgaggaag	78060
aggggagggga caggagggtg ccatcacctg gacacgggac tgaacaacca cacaacctca	78120
tggcggacac cagcacacct tgaccttgc tcataagtct gtgagtcggg atggggggct	78180
ggcgacggct catcctgctg ggcttcctac gtgtctgaga caaccggatg gactgggtgcc	78240
ggctccgtgt ggtctctctt catctcgag atttgcctgg gcttgtttcc cagcagacag	78300
cttctgagga taggtttggg acgggcacct gccacttcct ccacattcca ttggccacag	78360
tgagttgcaa ggctggccag actcaggagt gcagagaaat accctctact tccagatgag	78420
aagagccaca aagtgacatc accgcaggct ggatgcaggg cagggaaga cagcgggaacg	78480
cgtgggctgt ttgacagtc agtctacccc aggatgctcc aggaagggga aaaggacaag	78540

283148US0PCT.ST25.txt

ggaagagggg	cgctgtggcc	aagcagggga	acttctgtgt	tcaaaatctt	ggagatggat	78600
cactttcagt	ttccgataag	gcttagtgta	tggccctgag	acttgccgtt	tgatactata	78660
atctgtcata	tacaatgtaa	cttagtgaat	tgggtaaagg	atcttcaggg	tttattttga	78720
atggttgtca	tttattataa	aattaattta	ttttataata	attttatcta	attggctggg	78780
catggtggct	caaacctgta	atctcagcac	tttgtgagag	cagattgctt	gaacccagga	78840
tcttgagacc	agcatgagca	acatagcaag	acctcatctc	tactaaaaaa	aaaatccaaa	78900
aaattagcca	ggcgtggtgc	catgtgcctg	tagtcccagc	tacctgggag	gctgaggtgg	78960
aaggatcgct	tgagcccagg	aggtcaaggc	tgcaataagg	tatgatcatg	ccactgcact	79020
ccagcatggg	caacagagca	agaccctgtc	tccaaataat	aatttgatat	caatttgtaa	79080
taatttat	taaaagaatt	gtatgaagga	cccatgcctt	ggggcatagg	ggcactgata	79140
gaaggtaggt	gatcagtata	gatatttgct	gcattaatct	atttcagtca	cctgtgagat	79200
gattcaggta	gaaggaaaagt	gaggccccga	gaggtcaa	gtttgctgag	ttccacacag	79260
gtgaacacac	ttttctcctg	gacctagtc	tacccacct	tcttttctcc	ttttgaaaat	79320
taatgttttg	taagtgatta	aaaagaaaa	tgatcgggct	gggcatgggtg	gttcatgcct	79380
gcaatcccag	cactttggga	ggctgaggcg	ggcagatcaa	aaggtcagga	gtttgagatc	79440
agcctggcca	acatagtga	acccccgtct	ctactaaaa	tacgaaaatt	agtagcgtgt	79500
ggtggcacac	gcctgtaatc	ccagctactg	gggaggctga	ggcaggagaa	tcgcttgaac	79560
ccaggaggca	gaggttgag	tgagccgaga	ttgtgccact	gactccagc	ctgggccaca	79620
gagtgagact	ctgtctcaaa	ataataataa	agaaaggaaa	agaaaatgat	tgaagacaca	79680
gtgacattaa	gtttcataat	ttttatttaa	tccaagtcta	ttcccaaaag	gattatgcct	79740
actgtactat	attatacggc	atgaaataga	tgatcctgta	acataaggga	tcagattcta	79800
tgccaacttc	taacactgtg	gcttaagaag	tcagacccaa	gaatgttggt	caattatttt	79860
atcattagcc	taatttat	ccaccctgga	tttttccatg	ataactaatt	ccacacttcc	79920
tctggatccc	ctctttcagt	ttcaggattc	aggaatggct	tcggggaaaag	agcccttatg	79980
tttttgcttt	caatccactt	gtgtttccct	ttgtcaagag	acaaatggga	actgcacccc	80040
caaactgcat	gatgttcttg	gcagagaaaa	tccccagacc	acagaggagt	ggtatctgca	80100
gaagatagaa	cgagaggaag	cagctcaaag	acaaggttcc	agaatgagct	tgcaccatgg	80160
gatgcagcca	gtggacagtg	actgaccagg	aaacacctgt	gatggcaagc	ggcagtgacg	80220
agcgagtcag	aggtgaccgt	gccggaattg	aatgtgcgag	cactgctgtt	ataaaggaaa	80280
agaggaaaagt	gcaggcaagg	acttttattc	tcatgtgctg	attataccaa	ttcatataga	80340
tgacgtctgt	gtgggcattc	agatgggcat	tttcagttca	aatgattgtg	tgaacatgaa	80400
tcgcctaatac	aaaattagat	ctttattttc	tcctttccca	gtcgtaccct	cagcccaaca	80460
acatttaaag	gtgaatggat	gtgcaatatt	ggcacgaatg	gacgtgacac	acagtagggc	80520
tttgtgcacc	ctggaaggga	gggcagattc	tgcttcaagt	gtgctggaag	acatgggagg	80580

283148US0PCT.ST25.txt

gatctgaact	ggctgacgct	gcactgtagt	agggagaatg	gagtggaaatg	aggggaagga	80640
tgccaggggg	aggccactta	ggaggctgct	gtgtagccca	agcaagaaag	gatggcgact	80700
tttctatcag	gggaagggat	gagaggaggt	tggactgaga	ccgggatatg	ctctgaggtc	80760
aaggcgacag	agttgctgaa	ggatggaaatg	tgggctgtga	gatggaggag	tcctggcgag	80820
tgctcggctg	gttggcctga	gtgtgtggac	ggctggtggt	gccgtttatc	ggtgcagaga	80880
aggctggttg	gagggcacct	taggggtggg	ctgggtggtt	ctgttcagga	aagaccacgc	80940
tttgatcatg	ttggttttga	ggcatgtgca	ggctaggcat	gtggagatgc	agagtggatt	81000
tgagtgccat	cggcatgcag	atggactcag	gccatgcgat	cttgtgagat	gccagcccag	81060
gtcttgttcg	gaagaggcag	agtatgtttg	gctgcaatgg	ctgagtgggg	cttagattca	81120
gcaggaggag	caggccatgg	cagggtgaga	ccttctgttt	gagaagctag	gcatggggca	81180
tccatggcac	agccctggga	gttgccgcgc	aggcagcagt	ggatgtgagg	gtggaagtca	81240
aagttgagga	tgtagatgag	ggagctgaag	tcatgggggg	atgagggcac	ctggggaagg	81300
ggtgtcaagc	aagagagcgg	tgcacagatg	agaactctga	cctttatgag	atgggagaca	81360
aacgtgcgga	tgaaagggtgc	ggtgtcacac	aaactccagt	cgagaggcaa	taaatatctc	81420
acatctcagc	tgcatcgtcc	tttctaacca	agcatggaaa	ttctgtctgg	caagccgtca	81480
ggtacatttg	cagaaaagga	gaaggaaagt	cattgagggc	cacactggag	tgagacagga	81540
tcagcaggaa	gggaaagaat	caagaccatg	atgtttacat	gacttctggt	tacttctccc	81600
caagctccag	aaggcaaadc	ttgcatggac	ctctggcatg	catgggtggc	tgagagagg	81660
cctagagaag	aggcattcat	ttggggtgag	gctcctcctc	tctttcaggg	attttacagg	81720
gacccctcca	gccagtgggt	ctgtgctgga	tcctccacca	gacaccccta	gtcagggcgg	81780
aggccctcag	cactccagcc	tcagagccca	gacagttctg	gttcccagct	cccttctctg	81840
catgtctgtg	agtccatcct	cctgtttccac	ctcaggactt	gtaaggcgta	ttactgtgcc	81900
ccctgggtaa	ggcagagttt	gaggaagaac	gaataagggt	agggccactg	actttcagga	81960
tttagctcct	cttctcaaca	tgcatttcct	gtctactgtc	tgtttcacat	cacccacccc	82020
tcactgtccg	aatgcgtgc	cccagcccaa	catcagcatc	acccaggagc	tggttagaaa	82080
tgaggctctc	aatctccacc	caacctcctg	aatcagactc	tgcattttaa	cgagatcgcc	82140
agagagattt	gtgtgcatgt	tgacatttga	aaagcattat	taggcacagt	ggctcacgtc	82200
tgtaatccga	gcactttaag	aggccatggt	gggcaggatc	gcttgaggcc	aggagttaa	82260
gaccagcctg	ggcaacaaaa	gaaaccccat	ctctacaaaa	tatttttttt	tttgagatgg	82320
agtctcactc	tgttgcccag	gctggaatgc	agtggcatga	tctcagctca	ctgcaacctc	82380
catctctcag	gttcaagcga	ttctttctgcc	tcagcttccc	aagtagctgg	gattataagc	82440
gtgtgacacc	acgcccagct	aattttttgta	tttttagtag	agacgggggt	tcaccatggt	82500
ggccagtctg	gtctcaaaact	cctgacttca	tgatccaccc	gcctcggcct	cccaaagtgc	82560
tgggattaca	ggcatgagcc	accacgcccc	gccaaaacat	ttttaaacat	tagccagggtg	82620

283148US0PCT.ST25.txt

cggtgcatgc	ctgtagtccc	agcaactcag	gaggctgagg	tgagagaatc	ccttgagtct	82680
ggcatttcga	aactgtggtg	agctctgata	gcacctaata	catgccagcc	tgagtgaag	82740
agtgagaccc	tgtcaagaaa	gaaagaggaa	aggaagagag	agaggaagga	gaaggggaag	82800
aggaaggaaa	gaaggaaaag	cagtatcata	tattatttaa	tgacacttca	cccaagggtt	82860
tccaaataaa	aacatccaaa	gaaactagac	aacaagcatc	cttacctttc	aataaaggac	82920
tcacttgaca	atttttaggt	tgtgccaaag	caccaaagca	aattgttgat	gttcagctta	82980
gtaactgaca	tggcttcaat	acctaccg	catggtgctt	cgctcactct	ttaaagacta	83040
cctttatgca	cttttactat	ttcactgcca	cgctaaacat	ctaagcgatc	atatccttat	83100
gcctactgat	tatgaagtcc	atgacattca	acaacatcaa	ccctttgccc	actgccccac	83160
ccgacttgaa	ccaagttttc	ccaagttcaa	ttcctggggc	ctttgatagt	ttcatgcctt	83220
ctccacgtgc	cagagacaga	gaagagttag	ctctatcggt	tttgggggtc	tactagtttt	83280
gcctttatta	tttagacagc	ttcaggtcag	cttcttcctt	gtataccagt	cacaagtggg	83340
tttttatatt	acaaagaaaa	catagaagtt	atcattttct	agaaaaaggt	acaataacta	83400
tttcaagaca	tatttttagat	atacttacag	gcacaccttg	gagcagttca	ataattaaaa	83460
atttcatctg	tctgcctgac	cgccaatgca	aaggaaacat	aattaaaagt	ttttttgttt	83520
cttctccaag	ataatagttt	ataaagtagc	ttaatgaaac	actgaaaatc	cagaatggaa	83580
gaggacgtgt	gaaatcccct	ttccggtgtg	aacttattct	taaacaatca	aatgaaagtg	83640
cccgtcagcc	tttgcaagat	gctaaccatc	tggcccctgc	atcctgtctg	agtcacccga	83700
taaatagctg	caggttggtt	taagcacact	gcgccctgca	caagctgttt	tgctctgcta	83760
ctcactgccc	ttaggtgacg	atattttacac	ccgggggtga	gcatattttc	agccacacct	83820
ggatgcctcg	aggtaattag	gaggaaactt	ttagcggaag	ggaaacagca	tacctttgag	83880
tagcccgatt	gtgtatgacg	gagaaaggtt	aagtaggaag	agaggggagt	tctctcctga	83940
attgagtagc	tttgcttcct	attggaaaag	tgtgcaaata	aaaggaagta	gaaatgctaa	84000
aaagctctgt	gactgcctcc	tgctgtattc	aattagcctt	ccagaggatg	ccagaaggaa	84060
ggctcaatta	ccagagcggc	tccaggactt	aagagaaggc	tggagggcaa	accaaagggg	84120
ctgccatctt	gcagacctgg	tgtgagacca	aggcggggca	gctgtgtgat	tggattatac	84180
acgggaacct	tacttttagt	tctattgcat	ggccagagct	atgcatgcca	ccttttgcat	84240
ggagtcttga	aaagtcacct	aatttttaata	aagcagaagg	ggaaagcgat	aagaagaggg	84300
agagtgcata	tctctgaaat	gcctaagcat	cggccttgcg	ggaaccggcc	tcatcgagga	84360
gcagggccac	caccgttgga	gcatacggag	agcatcggag	gagccctagc	tctggcctct	84420
tggctggacg	tcactgtttc	aggccgagca	gataaaaagca	gaaggcattg	accgtgagcc	84480
aagagctcag	tgttttcaga	aaatggactg	gacgggagga	aagagtgtga	gtgtgctttg	84540
agagcaataa	acaaactatt	ggctgccggc	cagggaggag	tgtgctgaca	tcttcaagcg	84600
gatcctcgaa	agctccacag	agcggctgag	gaagcctcct	tagggctgtg	gatgggggtg	84660

283148US0PCT.ST25.txt

cggggcaagg gctgccgtgg cgccatgcag cagtgggcat cgggcctcag ccacacccag	84720
cagggaggcc aacagcagaa tcccaggcaa acgcccctag gggtcgcccc tcatgcctcc	84780
actccctggc ctggctctct gaagggcagg gcggtggagg agaagcagag ccaggcggtg	84840
ccctccgcca gctctagctc aaaggctgct ggggctgacg ggtggagctt gtgtagacga	84900
agcccccttac cctggaagtg aaggttatgg ggtttcctgg agggagggca ctgggcctcg	84960
ctcttaactg aggcttcccg tccccgagg gaggggtgatg aaggggtgtcc agacacatcc	85020
acggggacaa aggaggttgg caaggctgac cgcaggagtt tctcctctaa tgcctttcaa	85080
atgaacaggt ctgtgtcgct gctccgggag cgcctgcgct cacatacccc gcggtgcaca	85140
gttaccaacc agatcctacc acgccactgc ggacatcgcg gtttcggga agtctctggc	85200
cttcgtatga aaagacagcc cgacaggttg aattctttaa aaccttatct ttggttattt	85260
taataggata tgacaatctc ctctcctcag catgtcgata aatgtttatt gccctttact	85320
gtgtgagagc aggggtcctg ccgccgcttg tttttatttt cttttagacg gcgtgaacat	85380
tttttagcacg tgtaaccaat gatggtaatt aagattataa taatgctgat gccaacattt	85440
atatcagtgg atacagaaaa tacacagcct gattattttt tattactcgt acccataaaa	85500
ttaaagatct taaacatggg atggagggtg catccgcac aagattttgt tagcatgaga	85560
ccgaacccat tcagccacgg ctttcacag aagccttttg agtgatgaga cagtgatgag	85620
atagctcgcg ttatcctgca gcacagagct gcgcctggtc acggcagggt gcaccggctc	85680
tcgggcttca gacaacagct tatcagtacc ttgcccgtgt gcaaggacag tactccttga	85740
tgccctgaaa cctccgctcc tactaactgt ccttggaacac gtcggcatac agagaatcaa	85800
tcgtactctc agcagtgggt tctgcagcaa ctctgggtca tggaagaagc caagtgcatt	85860
gttgaaacag cagagcccag gcagtgtccc gatagaaacc aggtattgag tgcttgacc	85920
cgttcctgtg caggcgggcg tcacgcacac cttctgctgg aagacacact gtctacgtga	85980
acgcccagcc tccctgtgcc ctgccttgtc ttgtggaata tgtcggcacc cccaaagaat	86040
acaccttcaa agccaaaggg gagtttctgt ctgtctgctt cacactgtcc ttctctctct	86100
cccacccctt ctctgtgtga agaagtaaag caaagctctt aatgatcacc cttaaattggc	86160
aagactttga tagactgttt ctataatagg ttctcattga aacatgggag ttctaaatag	86220
agaactgtta aaaagtggaa tgagagatga gggaccgagt cgtggccctc cttcctggtc	86280
tccaccatgt caagtatgcc tccaccccg ggcctttgca cctgctgcgc tgctcttctt	86340
tcagggtccc acagtaggcc ctttgggaac tctgatcaag tgttgccttc tccgagaggc	86400
cgcctctgac catcccctgg aaaccagcct tctctcccc acgcctgggc tattcctccc	86460
ggttcttatt ttcattctgt gtttcatatt tgttttactt gctgatcacc agaagaaggc	86520
cttataagtc caggcactca ggcttctctt ccactcgatc tccagtatcc agaagcatat	86580
cggatgagga ggagaatgca atagaaatta gtcgcagaaa tcaatcatgg agaaaggaaa	86640
tgttctcagt gaggtgtttc aaatatgcag cgtacaagac ttaagtggaa gactcactta	86700

283148US0PCT.ST25.txt

taaagtagct	gactcgccca	gcagaggcac	ccatttttat	actttcccct	ttcacctttc	86760
ttgtggataa	agccagtgtg	atggctggag	cttcaggagc	cacgttggac	tatgaggcac	86820
cttgaagaca	gaaaggtgtg	cactgaaaat	gctaaagctg	aatgacggtg	ggaaggtggg	86880
tcctgggaag	tgatggaaac	cccgtgccag	ccttggaatg	cccacatctg	tctagtttca	86940
tctgagagaa	taaaacatta	tatatgttcc	agccattggt	gttttggtt	ttctgctata	87000
tatagttaaa	ggtttcctat	acatatatca	gagaaccatt	gggattcaat	tttagtcact	87060
tattataatt	caacgaatgc	actttacttc	tctgagcaat	gttatgcctt	cataaagcca	87120
ataaaacagc	gtaattgttg	aagaaattgt	gcaaatatag	aatacaatca	ttcaaggcaa	87180
cctagtctct	tagcctgcga	gtgttctaga	tgtatacaag	acaaatgcat	tcattcaaat	87240
attcaacaaa	tatttggtga	gtacctacta	ctatgtgtcg	tgtattgtgt	taggttcact	87300
aaaacacagt	aggaaagagc	tggaattgga	ataaatgctt	tgaattctga	ctcactgctt	87360
attagttgtg	accctgagca	aggtgtttta	cctttctgag	cttcagtttt	cttaatagca	87420
cttagttctc	agaggtgtgt	gaatatggaa	tgagaggtag	ataaatgtct	gaacagagtt	87480
gctcagcggg	tacagtaaca	cagttttgct	agctaccatg	tctgcaatgt	gatcctttcc	87540
atcaaggagc	cccctcgtgg	gagaaacaca	gataaacaga	taatacagtg	aaacttgga	87600
gggtgccgtaa	cagaagggtg	agcagagtgg	tttgagaatc	tggagaagtg	ggtcactagc	87660
tctgttttagg	tgagttgaaa	tcaggttgca	ttatagtcac	tggaaagcatt	cactggatat	87720
ttccagtttt	ccttctcctg	acacatggta	gagttgtctt	gaagagtcag	tacaagtctc	87780
tagatgaaga	aagaggtttc	aacactctag	ggcaaatgaa	atttttatgc	aaagccgagt	87840
cataaaagga	ttaaaatttg	gtgataggat	cagtgcact	gtgaccaacg	ctgggttcac	87900
ggggtggtag	aaggcagaag	gtgagtctgg	ttaggtagat	agggttgat	atttagggca	87960
cctttgtgca	aggtgaattt	ccccagagta	atttgaactt	gaaaaccact	catcaaaatc	88020
tcctgattca	ataaataaga	aggctggaga	aatgtcaca	acttctttgg	aaaggcgat	88080
gggacctaa	agtgatctac	atagccaatt	tgttgctcat	ctataaagac	aacaggcaaa	88140
ttacctctca	aatatgagag	agctcagggg	acagagcata	ttaaaaagt	tctggaaaga	88200
agttttgagt	tgtttgttt	cagtaacaaa	atccaagcaa	ttaatagat	gttaaaaaat	88260
aagcatgttc	aaagaacggg	tggcatgaaa	tggatcaatg	taaatgaagg	ataagtattt	88320
taaactcata	ggaattacat	tacagaaaaa	atgtattttt	ttaccttgaa	aatgcagaaa	88380
ataatgtaac	tgacaaatgt	taagggtggg	aaaaaggaga	aaggagaggt	gaatggaaat	88440
gagatgatga	atgtcctcag	atttcaaagg	aagaagtga	gcaatgctgt	atagcattta	88500
aatgggtattt	ttaaaaatgc	ttctaacttg	ttgcatacct	ttcctcaagg	gatcttttag	88560
gaaatagtaa	ctcttggtag	ataaacattt	gttttttaggt	tcagcaattc	tttgtctttt	88620
cattttatgt	tctcctcctt	acttgagcta	gggtgacttt	atgtgctcta	ggaaggctta	88680
gggtgcagaca	cagggagggg	tggagcggga	gggacagggc	cttgaagatg	tgtctgggga	88740

283148US0PCT.ST25.txt

attaggcaga	agccagttca	tatagtgcct	tatgtctcag	gcctaccacg	ttcaggaact	88800
ttgacttttc	ctaaaagata	atgggtgagt	ggggaggaag	gagaatttga	attatacatg	88860
catttatatt	ttttttcttt	tttgagacag	gatctagcta	tattgtgcag	tttggccccc	88920
aactcttggg	ctcaagtgc	cctcccaact	tagcctccta	agtagctggg	actacaggtg	88980
ccagcaagag	ggcccggcta	tttgataaag	atcactttgt	cactttggct	gtcctgtatt	89040
taaaaacctc	tttaagcaac	atgatttaga	gctgctctat	cagcatgatc	ttatgatctt	89100
ataatcttat	gaatctggac	tattcaggat	ggacctcata	ctctgatcct	tccttcaaat	89160
ttcagatctt	tccttcagat	tcctaaatac	tactttggta	aacactttac	agactaaact	89220
aggcagaaaa	aactatggtg	attctttttg	ctgattaaat	ccatgctcag	tagttctctt	89280
atcctcagag	aagccaggat	ctcaggcttc	aggccatgcc	ctgtgcaagt	ccaggggagc	89340
tggtgacatg	agcaacaaag	gggggtggctg	cctcctcagc	tgtgcatg	tgagcccctg	89400
ggggaagggg	ctggtcgaga	ttatgtggtc	tatgtcccct	ctcccatcac	tacgaagaaa	89460
gacagctgca	aagtcctatt	ttttaaggcc	tccaggcaat	gaaatcaaca	attatttcaa	89520
agttgatatt	taataaccct	cgttattatc	aaattatttt	ttatggaaat	cggacacatt	89580
tttctaattg	tattctaccc	ctttctctgg	ttttatcatc	ttttgaggag	gtcagctgac	89640
taatctttat	tttatctata	gcccctaattg	ttatcaatgc	taatcaatca	ccacgtagtt	89700
tcctcttttc	cagtctaaat	agtcctagct	ctttgatgta	ccttcaaagt	tccaattttc	89760
caatccttta	tatcttgatc	ttttataaaa	cagcttccca	tggtgcacaa	aatttaataa	89820
caaaagcaaa	gatacgtgaa	gcctatagtg	aagcaatgac	gccatcctct	ttttgaccat	89880
gctagattca	taattttggt	ctactttttac	cctatttttaa	atccccctt	tcaaaatcgc	89940
tgtagatgga	gatcatacat	tagagatata	attgcatttg	aaaaggatgg	ccctttcatt	90000
ttctgctggt	atagcagaca	ctgttaggtg	ctactgaagt	gacagtactc	ctttttcctg	90060
gtttccaatg	cccagctttt	gttcaactgt	ctcttcatgg	gatgtggaca	cctcccagcc	90120
ctggaggggtg	catctctttt	agtgtaaatc	agccatctcc	ttcctcataa	tcaatggaac	90180
caggagcttg	ggacccaatc	ccagacaatg	gaagtgaggc	agaggcagct	ggtggtgggg	90240
tggtcttggg	gtcatttgca	tcattccaaa	aagacacccc	aggaagagac	actgctttgc	90300
tggaacattgt	tatgagatga	catgctgcct	ggagctgccg	caaccatctt	agaaacacag	90360
ggggccaagc	gtctgaaatg	aaagcaaaga	tcgggaggat	ggctgagtag	aaagatgaag	90420
agatccaggg	cttctgtgca	cgccacttag	ctgcctaatt	aaccagccct	gggcttcctg	90480
ttgtgtgagt	taacacatcc	ctttgcaatt	tagtgatttt	cactgtgtgg	tcccagacca	90540
gtatcagcat	catctggaaa	tttttagaaa	tgcagatttt	ggggccctac	cccagacttg	90600
ctgagaagag	tctaggagtg	gagtccagca	atctgttttt	aacaagcccc	tccagataat	90660
tctaagaagt	cctgaagttt	gagaactact	gctctgagct	tgctacagtc	tgaatgtctg	90720
tgtcctccca	ccactcctat	attaaaattt	gaatccccaa	agtgtgtgta	ttaggagggtg	90780

283148US0PCT.ST25.txt

ggggtcttta	ggaagtgatt	cagtcattgag	ggcagagctc	tcatgaatag	gattagtgcc	90840
cttatgaaag	ggaccccaga	gagctaggtc	aacccttctg	tcacgggagg	gactgagac	90900
agtaccatct	atgaagcagg	cagcaggcct	tcaccagaca	ccacattata	gcagcttggt	90960
cttagacttc	tcagcctcca	gaattgtgag	ggaaaaaaaa	tactattgcc	tataagctac	91020
ccagtctatg	gcatttttgt	atagcagctc	agatcagcta	agagccattg	aattgaggtt	91080
tcaattactt	gcagctaaat	gcatgcta	taatacagct	cctttattgt	tttatgcatc	91140
ttttctagaa	aaatctatca	atcagtatgt	tttctgtcaa	tgtcatctga	gaattaagtg	91200
tcataaccag	aaagatctgg	agagacagga	gcacgttgta	cagttcctga	tatgtatttg	91260
acacacccag	acaggctgga	aaagagctgg	ggtaggtttc	ctgggggtata	agtaattttc	91320
gtaaaaat	agaacttttt	gagttccaag	gtgaaaggag	aggattttga	aatgcagaaa	91380
aagaaaagtt	cagaggcaca	aactcagaca	gagctcctgt	cagaggaacc	aagtgcctaa	91440
aataggacag	agtctccaga	tgcagcggaa	aggctgtgag	tcatctgacc	gctcaggtag	91500
gaaagcggga	ccagtgtgaa	atgaaggagg	cactaatgat	aagaggacaa	gaaaccacca	91560
aattgctatt	tagggtcatt	gggatctgca	gagggaaaca	aggctgaaga	gacaagagga	91620
aagacacagc	tgtgaggggtc	aaaatctaaa	aggagctcct	gaagggatgc	ttaatgtttt	91680
caagctatca	actgcagcat	gctaggtcta	tcatctgtgt	atcattgcca	aagcaagacc	91740
cataaacatc	agatttcact	tggttataga	attcagagaa	atactactgg	ggcaatgaca	91800
gggaagagac	actgcacatt	ctcagtggag	gaatcgctcc	ctctgtcctt	caactgggtgc	91860
catccaaaag	ttgctatgtc	aagtaatgct	agcttcactc	aaatgctatt	acccttggtc	91920
aactcacagt	gatatgcact	aatgagcaac	ccatctaata	tgtgaagcaa	tgcttaagga	91980
aggtttgagg	aaggacgagc	tgcagatcag	ctcaaggatg	ggactcaa	atcatgacag	92040
taccatgagc	taaggtgcct	cttgcaagct	gcctgtcgag	gccatcagtg	ggttagaacc	92100
aaattcttcc	aaaattattg	cagcctgcag	tcttctcatc	ttgtcatata	acacttaaca	92160
ttctggaaaa	ggccctgcat	tggttttgag	tggattttcc	agaatctgtg	gacctttgaa	92220
acaactccat	tttgtgttac	tttctccaca	atggctcttt	cagataaatc	acttgtccgt	92280
tcctgcctta	gatgaggcct	gtggaatgac	tgcattcat	gccctttcat	tggtgaaatg	92340
gttatcagat	ttcaggtata	tcaagacttg	cagatcaggc	ctcttactct	gtgtgactaa	92400
caggctcccc	cagaacaaac	catccaggca	caaacagggg	atgcagcctg	tggctatccc	92460
atcacagggt	tccacaccac	agtgtgagtc	catcttgctg	acttaacaac	cgtaatttaa	92520
aaatcacctt	ccaaattgca	ctgattttat	ttgttcaaaa	gataacacac	acattattac	92580
atgactatca	ttttagggca	aagtggatgc	acggacaaat	gtttcaagca	aggaggtaaa	92640
actctcctgg	ataaaaattc	acagcatcaa	ttttctat	tctgcttcct	gaattgcatt	92700
ttcctggatc	tgatgatttt	cttctttgta	ttcttgatgt	atgcatcggt	atgtcttctt	92760
ctgtgtttgt	gtcatggagg	cagcattcct	cttctttttt	tttttttttt	ttgagacgga	92820

283148US0PCT.ST25.txt

gtttcgctct	tgttgcccag	gctggagtgc	aatggcatta	tcttggctca	cggcaacctc	92880
tgccctcccg	gttcaagcca	ttctcctgcc	tcagcctccc	gagtagctgg	gattacaggc	92940
atgcgccacc	acgcctggct	aattttgtat	ttttagtaga	gacggggttt	ctccatgttg	93000
gtcaggcttg	tctcgaactc	ctgacctcag	gtgatctgcc	tgccctcagcc	tcccaaagtg	93060
ctgggattac	aggtgtgagc	caccacgccc	ggccggagga	agcattctta	atgtatgcat	93120
tggtacatct	tctgtgtgca	tgtcatggag	ggagcattct	tgatgtacac	gttggtgtat	93180
cttctgtgtg	cacatcagga	agggagcact	aagcagaggt	gcataagcag	attctggact	93240
gcagagctgg	ggagcgggtcc	tggttttacc	actcatggac	tgtgtgctct	cacacaagtc	93300
tcttagcatt	tttgtacctc	gggctcctcc	tctgtagaat	gaggatgaca	attcttacct	93360
cctaagattg	tcatgagcta	tcaagaagtt	aatatttggt	atgtatttag	aatggcatcc	93420
agcacgtcat	aaggactctg	ttttgtagag	tacatcgaat	gttctgtttt	gttatataac	93480
acatttactt	ttcataaatg	ttgttatctg	gcaggatattt	tttggcttcc	agaataaaaag	93540
ttttaaaatt	aaaaggggta	tccaagtatt	tttaggagcc	tagtatttcc	tcacttactc	93600
ccaaactcta	aaagtagatt	ggctttatgt	taaacagaga	attcgtacag	aaaaaatctt	93660
caggactgta	ttcatttcat	aaataatgta	ctttatttta	ttgcatatgg	ctattaagga	93720
gggcatccat	gatcaataca	gactaaatac	aatgcactat	tctagtccag	tttattctcg	93780
tctccagcag	catcacattg	acccttatat	acagcgtgta	cagtgggaaga	cagagcaaga	93840
taagttaagt	ctcttgtcat	atcacaatag	caagaaatat	atttaacatc	ttgatatcca	93900
gaaacaatac	gtacccaaaa	agaaaacact	gtttaataac	tgttaaagtt	tatatagcaa	93960
aaaatatattt	aaatttaagg	taagtcaggc	aaaatgtaca	aagacccaat	atacattgtg	94020
aagtttttagc	aaacataaca	tttatacatt	ttggttccat	tctgtaaact	aaattaaaaa	94080
tgtaaatatt	gcatatgcct	ttttgtgaaa	tgtacaggat	agaggaaaat	ttagcatatt	94140
atcatctgtg	tattttgctt	gttttaagct	gcagtatgaa	cacgaaccat	ctgtatagtg	94200
tcatgactac	tctacggata	gagggcgagt	taaatatgcy	tcaatacact	gctttcagca	94260
gggtccatat	tcagtcccta	tcgtacctgg	ggggagttac	aaagcaaata	ccaccattg	94320
atgcctattc	ccaaaactaa	ataaaaactt	caggattttt	atacatctta	ataaagtata	94380
tcatacactg	aaattgacct	tccagctaac	attatatggc	ctatgactg	ctgtgatgta	94440
taatttcaga	aaagtaaaac	cttaaaaatg	ttcagggaga	tcactttaca	ttcaactttg	94500
tcttgcaata	caatcctctg	ttctaaggtt	cagcacggaa	gcaggaagac	ttttgcattg	94560
ccattaaata	tattttttaag	acattgaatt	ttttggctct	cctctaaaaa	agcctcattt	94620
tattaatgca	ttattctata	gcgatagata	tctattatat	atttatatat	atttttctaa	94680
aaacaaaaca	aaacaaaacc	aacaacttac	atctccaatg	aattagtgtg	acctctccat	94740
gactatcaga	gaagataggc	actgggggaag	cccccacggg	aggagagggtc	gacagccctc	94800
caatcaagtg	tcgagggagc	agaaaacggc	agaacattct	gccggtcaag	ttcagcagtt	94860

283148US0PCT.ST25.txt

ttaggtaaca	tctgcgagaa	ctgccacaca	ctggatatttt	cagaatactg	aaaacataaa	94920
acaagggtag	tcttgtccgg	aattttttcg	acaagtaaca	tgtactgcga	gattgctttt	94980
cttctttttc	tttttccatc	aataacatag	gggctggaat	gcctcttttt	atcagtttct	95040
ttctttcctt	tttttttttt	ctttttgttt	tttttgttca	gggcagcctc	actggttgac	95100
ataataacat	tttattaaag	ataatacggt	ttttaaaaaat	caaactctgcc	aaacccggac	95160
caccctggaa	ttgctagcac	gcctacaggg	attttttggtt	acagaaaggc	atgcccgaaga	95220
ttcaggagag	cagagacatc	tgagcttgta	aatagaataa	aaggcgtttg	caatgtgaag	95280
tacctacata	aacatctaca	tcgagaagat	taaacaagtc	tgttaaagggt	aaaaagagat	95340
attcatcccc	ttcccaaagc	ccttccctcc	cacctcccac	tacccaatac	agttgatttt	95400
caaaagtagg	ttgcttcagt	tacatataat	aattattatt	tagtaatccg	tcttcaaagt	95460
ccaatcccaa	atttcacttc	cattgagaaa	tgtcagtcct	acactgggct	cgggtgtggac	95520
gtaaacatcg	cagggtacctg	cactggaatc	caacaagcag	ctgtctactt	ggaccatttc	95580
aataaggccg	aggaccgcgc	tccagacaca	cagcgcaggg	gctactacag	gaggtcctgt	95640
gggacccccg	ccacggaaat	ccggctttac	cttgaaactga	ggtaggactg	tggtcgtttt	95700
gagtgtgaag	cagtaaatac	cagattttac	cacttccata	ggtaggggtg	cactctccta	95760
gcatgctgag	ggttatatct	gctttgccaa	aaggaaaaga	agaagaaatt	aaaagacact	95820
ggccacaatt	taagaaggcc	aatgaaaaca	tccaattttc	ttgagaataa	cttcttcagc	95880
taattttgtt	aaaacaaaac	aaaacaaaac	gcaaacagca	caatgatgaa	tgccccatcc	95940
gggaacaagg	gaaagaggca	ggtgaccttg	ccttgttggt	gcctcatcta	acagagtcca	96000
cagatgtttc	caaacacagt	cattgctcag	atccaaaaga	aaactgcaag	cagcttcggg	96060
ctgaaacagt	gctgagcgtc	ttcttttaat	gatactctct	gacatgtgac	atcctggtga	96120
taaagccaga	cagatcttca	ctctgaaaaa	gaaaggaggg	aagttagcag	agaccctcag	96180
gagaacagag	caatctctgg	agttccagaa	agggccctc	taaccacag	ctaggacctg	96240
ggtcattttc	ataaactgat	gacctttgag	aaagaaacat	gtattcattc	tgttttccag	96300
aggtgagttc	agtgggaaaa	ctctgagttt	tcctggaagc	agagctgtta	ggttcatggt	96360
gagttgtcta	gacagttagg	ttcgtatttt	caatttaaga	aaaatattcg	catgtgtttt	96420
tgtgaatcat	tctgtcgaac	aagatagaaa	aagaaggggc	agttcctagg	ttgcactgcg	96480
tgtctgtgtg	atggaatgac	ccctgtaact	ccttaggcct	tgatgcttcc	tgtgttgtgt	96540
gggatacaca	gaatccactt	gccttcctcc	cagggtgca	gagatgaaaa	actatgacac	96600
acattacaat	gctctgtaaa	ctatgtttat	tctacaaatg	tgcatatatgt	tatgaaagtg	96660
gagtaactaa	taactccaca	cttctgccct	cagaaaactt	ccaaccggat	catctacctc	96720
tttttgaacg	tgcccagcaa	tggaagggtc	ctgcacggcc	tcatgtgttg	ttgcataacc	96780
ctcaacatta	ggaaagggtt	atttttatcc	actcaaactt	tcatatgttc	cagtttaagt	96840
aatttaccct	ttcgctgtgc	tcagagggga	cagggactga	ggacacgtgg	ccagatctaa	96900

283148US0PCT.ST25.txt

ttgcttcctc ccttccagga tgaaggatca aaattcttta accttttctca atttccagtg	96960
ttttaggcct atttttactt gatataattcc ttcttcaagg gacagaacaa attggaagat	97020
tttgaccttt cacagcgtgc tgttttcttc ttcttaagct tcttggtttt ttaacaaaaa	97080
tgacatactg ttcattttca tcactcagca acatgagggt gagcaccgct ttgctctcaa	97140
acaggtacat ttccttcctt tgcagatgca ttatatccaa ctgcatttct ggacactctt	97200
ctaaaatcct ttagaattct gatcctagcc tcttatcata ctccctgact tacttttttg	97260
tgaaccaaatt tcttttctct ccatcttaag tttagaggac tgaactcaac aagacagaaa	97320
cttccagtgt gccctgaagc tgagagttag tccctcaaaa ccacatctcc ttatgaactc	97380
gaggcactac atgctatagc cccccaaaa ccccaaaagc ttacagaaa aaatacttgt	97440
caatatacaa agtggacatt ttaaaattcc ctacaacgcg acattctgag gctgttttat	97500
ctattttatt tattattatt attagtcttt ttttaagatgg agtcttattc tgtcacccag	97560
gctggagtgc agtggcatga tcttggttca ctgcaacctt cacctcccag gtttgagcaa	97620
ttctcgtgtc tcagcctccc aagtagctgg gattacaggt acgtgccacc atgcctggct	97680
aatttttgta tttttagtag agacggggtt tcaccatgct ggccaggcta gtcttgaact	97740
cctgacctca ggtgatccac ccacttaggc ctcccaaagt gctgggatta caggcgtggg	97800
ccactgcggc cggcctatct tgttatTTTT aaaaagcttt atgtccatta taaatttaat	97860
aagtaaacaa tgttctgcca atgaacctta acagaattaa tttcttccta aggaaagatc	97920
tgtctttgag ttatctgatt cattattggt gtgattttca atcccaggag acttcagtga	97980
gaatctaatt gtttgatatcc ctaaaaaaaaa aacaggcatt tgctaaaaca caccttgaga	98040
cttgtaattc accctaaaat gagcttgcat ttgtgccctg agaccctgat ttgggaagaa	98100
tcccatggcc accacaagca ggtaactgag actctgcaaa tccattgaca gaagaatttc	98160
taatcaattg cttatTTTT tttgacacta acaattagct aaatgtggct gaattatctc	98220
atgttaactc taagtctggt attttgaaaa cagctaaact agtaagttct tcagtttctc	98280
aaacttaagc actttgtcat ataaatggcg ggtaaattat tgctgaaaaa aattactttc	98340
cattttcatt tgtgatttca tgaggccact gacattttca ttgttttttt taggatgctg	98400
tatcgtgta atattcaact cttatcatta catctttgcg agctccaatt aagttgaaca	98460
tgtaatttta ttttttgga gtagaatata gttatcaaaa cgtaatttc taagcattag	98520
cattatgcaa gaaaagagct gataaatggc aaggaagtaa ttcattccatg catttattca	98580
tgcaatgacc tttcaacaat tttctttttt taattctact ctggtgcaag gcctcactga	98640
taacttgggg gaagatggct gacaaaaaaaa aaaaaaaaaa gaaggaaagg ggaaaaggaa	98700
gggcaagcgg aagaggaaga ggaaggggaa gaggaagggg aaggaaagaa aaaaaagaa	98760
ggagggagga aggggaaagg gaaggagaag ggaggaagga agggttatta caggaagatg	98820
aacctgttaa tggcacactc aaaggacaca agagagctga ggtgaggagg accagaaaca	98880
ggatgaccac ccgctcagag ccaggcatgg ggggtgtcagc tgtgcagcgt ttcacacaca	98940

283148US0PCT.ST25.txt

tctacatgca	cacacgtgca	ccagagcaag	cacaacgtgc	atgtgtctca	cctagcctgt	99000
ctcctgttag	gttaatacaa	ccgctttcaa	cggccgcctc	ctttcacggt	aaagcgagaa	99060
ctgtggctctg	ggtgtgctca	gcgggcacag	gcctgtggtt	ttgctcccca	gtgccctgcc	99120
tctcacagac	ctgcttgctt	agacatcccc	ccaccccagg	aggctgaggc	tgattccagg	99180
tgaccctttg	ggatgcttgg	aagcgtctgc	ggtgatttaa	acagaattaa	ccagcagaaa	99240
caatcctttg	cggagggtgca	aaagggcagc	gaggaaaagg	ctggagcaca	cctcagattg	99300
gaccagatg	actaggacct	gccagccgca	gcagagggat	tgggatacaa	cagagaccta	99360
agaagcatca	gtactaagaa	tttatggtgg	aaaaaaggga	tctgttttga	aaccctaagt	99420
atcattttta	ttcatttggt	agagaaagaa	ggtctaagac	agaagccatc	tgctgaact	99480
gatgtctcaa	ataccttttt	ccaattgagc	tgggtggtaga	atctttgccca	cacatactat	99540
taaaggcccc	aggcataggg	ctaaatgatt	aacacgtgca	agggctcagg	agggtctctt	99600
gtagttcaca	cacagctttc	agacaccaaa	caccaagagc	tggtgcccct	ggttgaaacc	99660
accacggcaa	cacgatacct	accaccaccc	tgacagccac	ccactcatca	gtgacactcc	99720
cctacccccag	gaagaagaaa	gctggaaaac	actccagaga	ttcaaacctta	ggaatgagag	99780
taaacttttg	cctttatatt	catttacttt	caaagtaact	gaagtatatcc	ctcaccctga	99840
aatcagcct	ggttcatcct	gaccagggga	aaaaaacaca	ccaacaattt	tctaactacta	99900
atcatctgac	atcctcaacc	tttaaatatg	atcaaacttc	aggcttcctg	aagatgagat	99960
tccagcaaaa	atttatttgt	tgtattatct	gtgttcattt	tagtagaagc	aaagaattat	100020
taattttatg	gctgttctac	cctgaatatt	cactaagaag	gaagagattt	tctgaattca	100080
tcagctgtaa	tggcaaaacc	aaaaagaaaa	caataagact	cacgtgttgc	tcatgaacac	100140
aatgacagaa	caccacacac	cagttctgct	gctacaggta	atctatataa	aaaatgtaaa	100200
cttactgata	ctcattgaat	ttgtcacatc	gctcattaca	cactgtacta	ctctgtccct	100260
tagacgttgc	tttgtgagga	aatccatcca	cagacgtatc	cacgtagagt	tatttgagca	100320
aataaaacca	acaaacaaaa	acacttttag	cagagatgag	agttgttcca	tgtgacatgt	100380
cgtgcagtgt	atccactccg	catctccttt	ctgctgtcgc	ttgtgacaga	tgacattcat	100440
acgtgggata	cagtcccctg	tgccactcac	cataatgccc	tgagatggg	caataattcc	100500
tccccttttc	tcttccactt	acaagagcaa	tcagaatgca	aatgaaggag	agagctgtca	100560
gtaaaagctc	caccttcaaa	ctgctcaact	tgactcccc	gaaagagaga	aaggaggaaa	100620
gaaaacaaat	cactagaaaa	cattgtgatt	aagacaagga	ggaaagcttc	cttgtaatat	100680
atggaacaat	gtcccaacaa	tgacatgtca	cacggagctg	ggcaccatga	ctgcaatcac	100740
attacagaaa	actgaagtgg	gcatcaagcc	tagaacatgt	tggaaataag	gtcaatttgc	100800
tccagccaat	aaaatcaggc	agcatttttcg	gcacacagtc	tgactcacca	atcctttttc	100860
ttcataattt	ctcctgacaa	tttgggtttg	gacatgtttg	cctccaatgt	tacatttcga	100920
tgttcaaaat	ccaggatata	cacctgggtc	gtggcagctc	tgcccaggga	ggccccgggc	100980

283148US0PCT.ST25.txt

ctctctgcag aggggcttac ggccaccacg tagggcccca tggcacggct gtgggacatg	101040
gggcctcaca ggccttttgt gagcaacact ggaccacca gaggccaaat tcatggagta	101100
ggtaaagatg ctttcacatt ttcagccata gctgaattag gagtggtaca aatactgatg	101160
tacttgacaa aatgaaacga tacacttctt aaaattaaaa tttgtatttc tagtagcaaa	101220
tgtgattccg aaagcaagga aaccttccat gagctcaaac atatcgtaca ggtacatctc	101280
agtgcccagt ttcagccttt tatgttaaac acagaattac aagggaaaat tgacttttca	101340
gttgaggag caattctgag aaaaataaac ccgataattt agtatctcca gactttacta	101400
aagcaagaca ctctaagaac atgaaaaaaa aaaaaaggta aggttgggta tgataacaaa	101460
agccagagat tctaggaaaa acggttactt gaacttttct tttaaattgg aaaaaaact	101520
aacttaaaag gaaaatatgg aagaataagt tccccatgac aaacaggggc aataacttgc	101580
tttcctgctg ccctccttga gaaagactga aaacattctt ttctatgagc tcatcacttc	101640
cactgacaat taaaatcatt tcattttgaa tgcttggttag taaaaaaaat tccgaatatc	101700
aagttgcaac ttgatgttaa tgacacaata caaaatagga tgagacaatc tagttgtctc	101760
acaggctgga tttagtaaaa ggtatctccc cctttaactc ctgtttaatc ctgcacataa	101820
gacctggctt taatcatcca aaactaggaa aatcaggcct cctaaacttt tacctactgc	101880
acttccaatt ccctctacac attcaacttt cctatacagg agcctgtata aattttacag	101940
tgcacggcta cagcagattg tgtaacacag aatgtacacg gttcttttct gagtggtatt	102000
gttaaaaacc ctgccatgtg catgaagtga gctattcgtc tatggcaaga attgcccact	102060
gcccctgcag cagccgcaa tgccatagga gaaacagtat cgatgattct tctgcacaaa	102120
cacctgagat acaaaaagtt ccaagaattg cggttgacc ctttctttta aattatgaaa	102180
tgttagaccc tttttagtta aaaccagac caggaagcac gaacaacttg ctgaagcctc	102240
cctgccagtc tgtggaagaa cagggtcctc aacttctccc agaacacttt cctctctgct	102300
ccccttttgt gacaatgaga tgggtgggac agggcaggag cagagacacc tgcaactgtc	102360
acctggggcc ccagagtgtc aacttccaca gtgaaccact agctctttat aaaactctcc	102420
tcgaaggaca ttaaacagca tgctagcatg tcacaagatt cagtgaagcc tgtgagtcga	102480
tgaggggtgtg ctccatggtt ggtcttcctt gccagctgat gcccaggccc tgccttctca	102540
cctccctgtc ccagcagcc agcagcctgc tggtcaggct cttagtaaag cttataggta	102600
ttaaattgaa gcgaaaaccc catgtggttc atgccatttc tcacaggcag aaatgctcaa	102660
taaagttttc taaaagagaa caaagttttc taaaacagaa cgaagcttta ggactgcgtg	102720
agaccagaa gaaaagaaaa ccctttccag cccacttgga gagtgacgtt ccaagcagag	102780
gtcagtaaag taaggccaga tctggcttgc ctgtctctgc aaataaagtt ttatttgggc	102840
acagccgtgc tcacgcattt acatatggct gctttcacac cataagcaga gtggagcagc	102900
tgtgacagag actgcatggc aatgaacctt aactctttac tacctgacct ttcacagaat	102960
gtttgttaat cttcaagga gcacatgaac atggcaacct ttactaagga agacaatgcg	103020

283148USOPCT.ST25.txt

aagaaaaaca	ggcaaatttg	tcagaaaaac	accatatatt	tccatctgtg	tgttatactg	103080
ggaaactaat	tgatatccct	ttgaaaatta	tctgcaagct	tacgtacttt	agaaatgcaa	103140
tactatctac	taaaaaccac	actatcctgt	tacagaccct	actgaaaaag	aggacacaca	103200
tcacaaaatc	atttatgaag	ccagcacact	tttggaatga	atttctctta	gctaccgcta	103260
ttctatttga	tttttcatgc	ataacacaaa	agtgtcaat	aaatctaadc	attgctaaat	103320
acatcctaca	ctagcattct	tcctttaaca	gaagtaaagg	tttatatatg	agatctacaa	103380
ctcattaagg	gtccaaatct	tttctctttc	ttgggtcatt	tgagaatgtg	aatgtaagca	103440
ttatgcttct	gccctaagag	tatttggggc	aagtgatata	aggtgcatta	aaatcgcaaa	103500
tagccaatga	acgacgtaat	tctttcctca	gacttaacac	atgtttatac	gtatgggtttt	103560
cttactaatc	taaaaaaatt	ttatgtacac	cataacaatg	tttatattgt	ttatatcaga	103620
aattataaaa	cctaattata	tttttgctgc	caaattaaga	gaatgtagaa	taattattta	103680
ttcacaatat	atccatctcc	agatagcctg	ttgttatata	tcatttcaac	tggaccctttt	103740
ttctacttta	aaagcttaaa	taactgtagg	taaatcccc	ctcctcggtc	tataacatct	103800
atgtgatata	ggatttcagc	tttgtctctc	cagggacaaa	tccatctatc	taatttaaaa	103860
gcctcctaag	aatcaccacg	tagcctttaa	ctgagccatc	tactagagtc	aagggtgaag	103920
gggtcaaacc	tacttagtca	ctgaagcgca	ggctctcttt	gcagagatca	aagtgtccat	103980
tcttcctaatt	cggccatata	aaaaacatcc	tgctcttccc	tgggagccta	ggaatgactc	104040
catgccccca	tctctgtact	ttaaactaca	tgccattccc	acgactctca	ggatacaggt	104100
gtgaaaggcg	ctgtcgccac	accagagccg	gggtccccagg	gctagcatct	aggaaccact	104160
tcttaccagc	tgtgtaattct	ctacagctat	gtctctaagt	ctgctccctc	ttatgaagat	104220
gggggcacta	cctctccac	cctgaattcc	ccagtggagt	cacagggaac	ctgtcaaattg	104280
agatttcatg	tataaaatat	ataaataatt	aataccaaaa	atgcgtatgt	tctttcattc	104340
ataaagaagc	acatgctact	agcacaaactg	gcattttgtg	gttggttcc	ctttgctttg	104400
tgcaccttca	aataatgtat	acatgtaacc	acatgctgtg	ttctcaacta	cagacttctt	104460
aagaccaggc	agccctgtgc	tgccagggaa	agacaggctc	ctcccaccct	tatgttctgg	104520
ctaatttgtg	gagagccaca	gtggtgtctc	ttagtgcatc	tgatcatcaca	gctcttcctc	104580
gttcaaaatt	gtattcgtga	atgataccac	gaacaaccac	aactgcaagc	agcaaataaa	104640
caactgccga	atgcacaaaa	acaatggcaa	attgtctcta	aaataaaatg	aacaaacttg	104700
ttttaattgg	acagaagtgg	aacagaagta	gaattgtttt	tctgggggta	actctaggcc	104760
atttaaagct	gcaaagagtg	cctttgccta	gctgctttct	tcatgtcctg	aggacaggac	104820
aaaatgcccg	ggaagggggc	tcacatgtct	actactcagg	cagctgcca	cagagaacat	104880
gaatcccttg	ccacgtcaca	catgccaagc	acacacaatg	catcatcaac	aggctgggct	104940
ccgcctggtc	caggccactg	ggggacagca	cttcccttct	ctctgctcta	tacaaaaagg	105000
tgccctaata	tgaggccga	catttaagtt	cctctgccac	aaatgacaga	gatttacatc	105060

283148US0PCT.ST25.txt

taactaaagc	actatatttatt	gaaattttcag	taatgcaaaa	tggaaaacgc	caagctacca	105120
actatataaa	gttcattttac	tggagaagca	aataaaaataa	gacagcagca	gctgatacacc	105180
agtccttgcc	caaggatgtg	gagacagagg	aatccacat	ctttggctcc	tcttcccca	105240
caagcatgta	gatatcccag	cctcaaccac	cctgactcca	actccccacc	aagcatgtag	105300
atatcccagc	ctcatccacc	ctgactccaa	ctccccacca	agcatgtaga	tatcccagcc	105360
tcaaccaccc	tgactccaac	tccccaccaa	gcatgtagat	atcccagcct	catccacctt	105420
ggatccaact	ccccaccaag	catgtagata	tcccagcctc	atccaccctg	actccaactc	105480
cccaccaagc	atgtagatat	cccagcctcc	tccaccttgg	ctccaactcc	ccaccaagca	105540
tgtagatatc	ccagcctcat	ccactttggc	tcctcctccc	caccaagcat	gtagatatcc	105600
cagcctcaac	caccctgact	ccgactcccc	accaagcatg	tagatatccc	agcctcatcc	105660
accctgactc	caactcccca	ccaagcatgt	agatatccca	gcctcatcca	ccttggctcc	105720
aactccccac	caagcatgta	gatatcccag	cctcatccac	cttggctcct	cctccccacc	105780
aagcatgtag	atatcccagc	ctcatccacc	ctggctccga	ctccccacca	agcatgtaga	105840
tatcccagcc	tcatccaccc	tggctccgac	tccccaccaa	gcatgtagat	atcccagcct	105900
catccaccct	gactccaact	ccccaccaag	catgtagata	tcccagcctc	atccaccttg	105960
gctccgactc	ccccaccaagc	atgtagatat	cccagcctca	accaccctga	ctccgactcc	106020
ccaccaagca	tgtagatatc	ccagcctcat	ccaccctgac	tccaactccc	caccaaact	106080
gtagatatcc	cagcctcatc	caccctggct	ccgactcccc	accaagcatg	tagatatccc	106140
agcctcatcc	accctgactc	caactcccca	ccaagcatgt	agatatccca	gcctcaacca	106200
ccctgactcc	gactccccac	caagcatgta	gatatcccag	cctcaaccac	cctgactccg	106260
actccccacc	aagcatgtag	atatcccagc	ctcatccacc	ctggctccga	ctccccacca	106320
agcatgtaga	tatcccagcc	tcatccaccc	tgactccgac	tccccaccaa	gcatgtagat	106380
atcccagcct	catccacctt	ggctccaact	ccccaccaag	catgtagata	tcccagcctc	106440
atccaccctg	gctccgactc	ccccaccaagc	atgtagatat	cccagcctca	tccaccctga	106500
ctccaactcc	ccaccaaaca	tgtagatatc	ccagcctcat	ccaccctggc	tccgactccc	106560
caccaagcat	gtagatatcc	cagcctcatc	caccctgact	ccaactcccc	accaagcatg	106620
tagatatccc	agcctcatcc	accttggctc	tgactcccct	gcatgtgacc	cactggcact	106680
gaaacagtgc	acaagtcata	ttcagttact	gcacatgccc	tttcagccaa	aatgccaaag	106740
tgtctataaa	gttactcaaa	aacttaagtc	taagcagagg	aaacatacat	tctttagcct	106800
cggtagaacc	taaaatggca	aagatcttgt	agacattttc	caatgctcat	gggctgggag	106860
gagcctcaca	caccagagga	cccagatctg	cgaaatgctt	tggtcagggga	catggagggga	106920
ggtttggatg	agtgggcagc	ctagaaacgt	gggccccaac	ttctcctgga	gggtccagca	106980
gggtgccctg	agtcaccagc	agttggattc	agagtgagga	caggcccctt	gctcctgcct	107040
ctcaggccca	gggacagagg	ccagaggctg	tgcagggtcag	tgtgcaccct	ggctcctgct	107100

283148US0PCT.ST25.txt

caggcgggccc	acaccgggaa	tgtggccaca	aacacgtctt	ctgccctccc	ctcctgtcca	107160
gcaaggagaa	ggaggtgtgg	aaggagaaaa	taccagcaa	cataaagatt	ccatttccca	107220
aattgccaga	agtttgaaa	ggggagaact	gatcaattaa	tgataaagaa	aacatttcct	107280
acacgaaaag	gaagttggac	tgtgtggtga	ttgacacagt	cacatttcct	ggtttcccaa	107340
ggctgtgcct	gagtccttga	aggcctttaa	gaatggattc	aagagagatg	taactttcta	107400
accaccttgt	tagtaacca	ggtgacaaaa	ctgaggatca	agcagatgcg	tacagaatag	107460
acagtagttc	tgtccttgt	gttacagact	taatgccttc	tcttcccaga	gagcatcacg	107520
cagtgatatt	ccattctgga	aaatcagctc	gaccattttt	cctttttttt	tttttttttt	107580
ttttgagatg	gagtctcgct	ctgttgccca	ggctggagcg	cagtggtgca	atctcggctc	107640
gctgcaacct	ccgcttcacg	ggttcacg	attctcctgc	ctcagcctcc	taagcagctg	107700
ggactacagg	catgcgccac	cacacctagc	taatttttct	atttttagta	gagataggg	107760
ttcatcatat	tggccaggat	ggtctcaaac	tcctgatctt	gtaatccacc	agccttggtc	107820
tcccaaagtg	ctgggatcac	aggcgtgagc	caccgtgcct	ggcccagtg	gaccatttaa	107880
acatttctag	ttacatgatt	ttgtaatat	caatatatat	gaaatttcta	gaaaataatt	107940
gttatttccc	tcattttgct	tagagaatga	tggaccattt	tacaaattct	acttgggaata	108000
actagcaaca	cagttcaagc	agataattca	agaattaggt	cctctttcac	cattagtttt	108060
ctacatat	caggaaaact	aagtcaaag	gagcctaaat	tctgaagata	gacctaaatg	108120
ctcaaccaca	tttttaaaat	tatgcaggct	acaaataact	gcacacagtt	ggctggagcc	108180
catttattaa	acatgcactt	tcctcaccag	caggctaaga	ggacatcagg	gcacccgtac	108240
acacctagcc	ctcaccttcc	ccaagctctt	acgccctcag	caaaacccat	gcccttggtc	108300
ctttcctgtg	aagccaggat	ctctatgaaa	caaatggaat	aatacattgg	aataatactt	108360
tttctgcaca	ttttttctaa	cttctataat	tttcatttcc	aaattagctg	aagagtga	108420
ttgatttgtt	tgataagccg	atggttagca	ggtcctagtt	aaccataatg	cacggggcat	108480
cccgcctcaa	ggcagagttc	gaaataagcg	gattcagctt	ttagtctgtc	agaggggaa	108540
accttgtctt	ttttttttta	aatgacggct	gtgtgttacc	agaagataca	gaatcaggca	108600
ggagccaggc	ttgccaggac	cacatcctct	ctctacagac	tgggaaagtt	tctccaacag	108660
caggagccag	gctcaacggc	ggggcaggca	tatacatggc	ctaccatctt	caggcctcag	108720
attttccatt	aaaaaacagg	gataacaaca	agatccaacc	ctacgcatag	gttattggga	108780
ttcaatacca	tttttaaatg	tcttatgaat	tataagggtac	gctacaaacg	ttaagttttc	108840
agaataaggc	atgtcattcc	atgattacaa	acttgtgctt	ttgttttgca	gtttatcctg	108900
taagcacgtc	ccagtagttt	ccccaacctc	aatggtacct	cagcgtcttc	attccactag	108960
atcacttcta	ggtcttttca	aattttatat	acttttgagg	aagaaattcg	agttgacgta	109020
tactctacca	agtaaccacc	accaccag	gataccacca	ccatgatgat	ggaattgatg	109080
gctacagtat	gaaagttttt	aaaagctctg	catattattg	ttcccaagga	ctctatctcc	109140

283148US0PCT.ST25.txt

ctcacacact	gtgacatgtg	ggctaacatc	agtagcacgg	ctggccgggc	tcaattcctc	109200
ctggtccctt	actacctctt	tctcttcact	ttctcctttg	agccttagct	ctccatgcca	109260
gccacactgg	cctccttcct	gttctggaac	ataccgggca	acctgctgcc	ccagagcctt	109320
tgcactgctg	ttcatccctt	ttgcctactt	ggattcctcc	cttaacatct	gtaagaccgg	109380
cttcccctga	ccttcagggt	gcttggtc	aatttccttt	ccccctctc	ccttccctgc	109440
ttcattgcta	gagcatttca	ccacctgtag	tgcttcatct	cctaaatgca	catccaaatt	109500
aagtttactt	cctaggtttc	aaaggcagac	agctcactga	agactcgccc	actttctggt	109560
attcttttta	gcttgaaaaa	ccaaatctgt	ttctctctag	cctattcttt	catattgctc	109620
aaatggatga	agtatttttg	agatagtcta	tatgcaacaa	ttgtcatctt	tgtaatgaaa	109680
acatgcagaa	atttaacagt	ttgaatacat	ttaaaaatta	aaggggagatc	tcaccatttt	109740
tgccatcgtc	ctttctgccc	ccaactttct	acctttctca	agcaacccat	aagtaaagtt	109800
cctatttttc	tttttttctg	aaaactgcaa	aagggtggcaa	aagggtgagaa	tgggaggaga	109860
ctcatctgtg	actaactccc	ccatcagcct	cacgggtggg	tgacttgag	ctccccaacc	109920
caatgggact	tccttctttc	gcctacactg	gccaccacca	tggagggcag	ggaggccaag	109980
agcggcaagc	agccctttga	gccggtgggg	gctgtggctg	gcaggaaagg	agggggcttt	110040
cctgaacagg	ctagggatgc	ctatagaaag	aatgtgatca	atacccttaa	cgcagccttt	110100
ggggctgcct	acaaaaagga	gccaagaaac	ctgacaatgg	ggaagtttct	ggaatactac	110160
cattttacaac	aaagactgag	cacagaatga	agtaccagga	gagcttgag	gcaaggccgc	110220
caagagctca	gggcaagctg	acatctagga	atcgggatag	cagcagaatc	aaagctacta	110280
tttttcagag	aagaaaactt	acaaacacta	cctcatctga	tgcaccccag	gttcacgcag	110340
gggtgaaggg	gtgaaacatc	tgagtgtcc	cagctgtgaa	tgggaccagt	actgtgaatg	110400
ttccagcaag	gatatccact	gtcgcagcag	agacatcccg	tgaaacatcc	cattctctgt	110460
gctcagccaa	gattgcctgc	ggggtggaca	cttatgaaaa	ggatcagagg	ggctgcccag	110520
aaaatgggtgc	ccggtgggat	gctgccaagt	tgactctgaa	ggcacctagg	gaacagaggc	110580
caggcttcac	atttcttctg	catctcccag	gacatctact	cttgtgctga	cacacgctga	110640
actctcaata	cattgattgg	cttaaaatat	caactgtgtt	ctgcgttttg	gaaatggctg	110700
aagacccagt	gattctaaac	agcccagcga	acctggacag	atcaagactc	acacagatga	110760
atgtgtatca	cccagacttg	ttctaagaac	ttcattaaat	gctccctgct	gggaaaactt	110820
ggacatttca	ttgcagtgat	tatttcatct	cgaactagga	acactgataa	gctaagctgc	110880
aaataacagt	aagacggcaa	actgaaccaa	ggtgtgtcct	ttctactgga	ccactgaaac	110940
tttcatctgt	cccaaacac	caaaatgcc	ttacatgtag	aagctacaaa	accttttagga	111000
gaaattctca	tttaaaaaac	ttgtcagaac	aaataatctc	aacaatgtct	ttgcatcaat	111060
gaatgcaa	at	ttatattctaa	aagggttttg	tgtagccttt	gtatctagta	111120
ttttcatgca	gttcaatatt	aatattta	ttttttctct	tttgctttct	cagccagcta	111180

283148US0PCT.ST25.txt

aattaaagtt agttttctga aactgcaatt aaaataaatt tacaatcctg gattttataat	111240
acttttaaaag agaaaaagag atttggtact tttgcaacta acacattttg ctaaagcata	111300
ctcaaatata ctttcagttg aactatacat ttagtagatg tctacttgac aacataagtt	111360
atttgtacaa gtctcagcac actcacctga tatatagaac tggaagaggg tatgggtagc	111420
ttatggattt gttttctgtt tcatttgcgt atgtaaaacg ttatttttagg ttgcttttat	111480
gcaggaagac aataaaaagt gaatacctac tatcatacca gaataaaact gaagcaaagc	111540
acttttagtaa tttatttttt taaaatgcac caaagggtgtg gggtaagaaa ctgaccacaa	111600
gactctactt ttccaggaat ttctgctgtc tgggaagttc agaagccctg caatgtccac	111660
agtaaaactag ggtcccagta cctccatttc tgacctcttc aaacagaaac agtctctgct	111720
caatacactc taatccacga cttgcttaat cctgcttatt gcgtggagtt tctaaaggat	111780
tatgtgcatg gtttttaaat ttagtaaaga aattctggcc tattttccaa acttttctcc	111840
ctgcttcaca attcccctta tttatccatc catctgggta tgggaagtcc cgaacaaaga	111900
aaggagggca gagaggctca cccggcatgc gctgggccca ggcagcgag ggcagtcag	111960
ggtgaggggt gccactgaga tgacgggatc gggggcggct tctgccgag acccggaat	112020
tcacgtggtc agatggtccc tgacttcagt ccctattttc ggtggttcac agcacggagc	112080
ggtgcaggta ggtgcacgct cttcccaggt cctctgcaga aggcaaaagt tcccagaggc	112140
acccaaacct tgctggggaa aaggcttctg gccgattcat gaagaccccc agaccacag	112200
tctgcatcag ttttctgac taaattggtg ggtgctcaac aaacccatca ctgcaacaca	112260
gggcgctccg aacgtggctt tcttcttaac ctggaagaag gtccgtaact ccattcgccc	112320
ggatagcaaa actgctttcc tgctttgctc atccagccag gtctccaatc tcacctgctg	112380
tttggtgggt cacggcgctc accgttgggg gtgctggcca ggaaggaggt actgtctctt	112440
gatgctgaga ggcctgacag cttgcacaaa gcaaacactg cactgcccac aagagttcca	112500
ggccacagat ttgcctatta cttttttttt tttttttttt gagacggagt ctgctctgt	112560
cggccaggcc ggactgcgga ctgcagtggc gcgatctcgg ctactgcaa gctccgcttc	112620
ccgggttcac gccattctcc tgcctcagcc tcccagtag ctgggactac aggcgcccgc	112680
caccgcaccc ggctaatttt ttgtattttt agtagagacg gggtttcacc ttgttagcca	112740
ggatggtctc gatctcctga cctcatgac caccgcctc ggcctcccaa agtgctggga	112800
ttacaggcgt gagccaccgc gcccgccgc ctattacatt ttttaaagtg tgaatatctt	112860
aagaattttt atgtgtttgc taaagtgttt ctttctgctt ttgaaagtga ggttataccc	112920
acgtcattag aataatggca gcttctgtga aattaaattt gtatgaaaac tatttatctt	112980
catataaaaa tccagctaaa tgattttttt cctgagaatt aaaaaaaaaag aaaaaacaa	113040
gggctgttaa aaataaaaag gcactgacaa aatactcaat tccccagaag ataaccacct	113100
agcaacaact gattagttag ttattgggtc ttaggcaaat tctaaattga ttagttttca	113160
aataaaactca ttaaataaggt taatgactca tttcttagaa aaatgttaat ggacttatcc	113220

283148US0PCT.ST25.txt

ataatgggga	atatatgata	tttcacttat	agaacaagca	cctgtcttag	agacacagag	113280
agcagtgacc	gaatgcaccc	gctgactcat	cactgtgtca	ccgcccaggc	tgaacctgtt	113340
acacagagcc	gccttcaatt	ctgctagata	atctaggcct	ttcgatttca	ctgggggtct	113400
tcatgaaaca	ataactttgt	ttccttttct	ttgataaagt	aaatacatga	ccttaaatat	113460
ttgccaaatc	ttctccccac	tcagtagaca	ccgtccacat	agtcatgaac	agccatattt	113520
ctctgattta	taacgcgttt	cttcattaag	gaattctgca	ttctctattt	ctggctttca	113580
gggttttctt	tagtctatgg	atgaagaaag	ttactaaaat	gttccaaagt	aaaaagacta	113640
atatcatttc	cacaaatact	aagttgttct	aaagagcata	ggctgtatcc	tgggagaaag	113700
ttattcatca	agatacaaa	aaccaactga	gatgtgtcat	tgtttgtatc	acattctcct	113760
actctttctt	gatgatatct	acaaacaact	ctaccactaa	ttgaatcagt	gaccttgact	113820
aagactccgg	acctcacaca	gcctctgttt	tcacaacctt	aaataactaa	gttacattct	113880
atcaacgggt	ctcaactctt	ccttctcaga	acacccttgt	atattttttt	cgtattgtca	113940
ccacctgagt	tgcaagagtt	ttaatgtatt	tgatggtggc	gggtggtggg	aggtatctta	114000
ccaagtatca	tatacagttt	gctttaccaa	gaggtaatga	aagacagcca	gagcaatcta	114060
agttttccac	tttgttgaca	catctagagg	tccaggaagc	atgactggag	tccccagaac	114120
agatccatca	ccaacttgat	ggtcaacttt	aaaattcact	agtaacatca	cagccttgaa	114180
aatagtatca	aataactaa	tctccaaacc	ggaggatgta	aaaactgatt	tcaataaata	114240
gagcgctttc	ctaccagtct	tcctcctcaa	tggtcccat	tttcctttga	attgataccc	114300
agtggaagaa	aaagggggag	atgattaact	atcactccag	caaaatatta	acttaaagt	114360
tgcttgaggc	aagggcttag	gataaaatcc	taatgtaatt	attgcatatg	agcttcccaa	114420
gcagacaata	tgacattaga	gaactgggct	agggatacca	agatgttatg	aggttgaacc	114480
cgacactcct	tctccttttg	gctcagagat	ctggagcaag	tcatctggcc	tctccacact	114540
gtaggttctt	gattccaaag	aatgggggtc	atggtggttc	tgcttatgcc	ataggatttt	114600
ttggaatatt	ataccatatt	gtatatagga	aaatgtctta	ccactataaa	gggaagaaaa	114660
acaccctttg	aattttacac	aactctttta	acccaagag	aagagtggca	ggcagttatc	114720
cgtcaatatt	gatcagaata	atggtacatc	gtcattgcat	tcaacttcaa	taagattctt	114780
tcaaaatctt	cagttgccag	ttgtctacca	agttgtggga	ttatctgtta	cacttatact	114840
ttggaggcca	aagattgact	tatttaagtc	catagaatgc	atacagaaag	cactgtatca	114900
tattcttaaa	tattaaagat	taagcattaa	tactatgcaa	aatctttctt	tttttttttt	114960
ttttttttga	gactgaattt	cactctttgt	tgctcaggct	ggagtacagt	gtcgcgatct	115020
cagctcactg	caacctctgc	ctccctgggt	caagtgattc	tcctgcctca	gcctcctgag	115080
tagctgggac	tacaggtgca	tgctaccatg	gctggcta	ttttgtattt	ttagtagaga	115140
tgggggttct	ccatgttggc	caggctgggtc	ttgaactcct	gacctcagat	gatccacca	115200
cctcggcctc	ccaaagcgct	gggattacag	gcatgagcca	ccaagctcat	ccaagaatga	115260

283148US0PCT.ST25.txt

atcatttctta	acataaacat	aaggattttta	aggtaacaaa	atcacacagt	ataataggat	115320
tgtaaagtaa	caaaatcaca	tagtataatg	aactatatca	taatattctgt	ttttatgcat	115380
tgaaaacaat	tgaaatttca	taccacaccg	taataactga	ctcaagtatt	tgtactaact	115440
gtatagggat	aaagtagcag	tagactatgc	ttaagttata	aagtttcaac	atgaacaaag	115500
aacacatcat	taatccttga	atttcagtta	tggagaaaaa	tatcatatcc	agcctcctgg	115560
agcatgactg	gatgagatat	tatggaaaca	cacacacaca	cacacacaca	cacacacaca	115620
cacacacaca	caccagcccc	aaatatttgt	tgctggaaaa	cctgatactc	tttaaaatga	115680
atattaaaag	atccagcatt	aggccgggcg	cagtggctta	tgcttgcaat	cccagcactt	115740
tgagaggctg	aggcgggaag	atcacggggg	caggagatcg	agaccagcct	ggctaacacg	115800
gtgaaatccc	atctctacta	aaaatacaaa	aaattagcag	ggcatggtgg	catgcacctc	115860
tagtcccagc	tactcaggag	gcggaggcag	gagaatcgct	tgaacccggg	aggtggacgt	115920
tgcatgagc	cgagatcaca	ccactgcact	ccagactgag	tgatagagtg	agactccgtc	115980
tcaaaaaaaaa	aaaaagaaaa	aaaccagca	tttacagggt	gcaatgcgtg	tgatcagtta	116040
tctttaaaaa	atatatcgtg	ggtcaaaata	tttgatcaaa	tattccaaat	ttcagtaaaa	116100
acacagtaag	caaggaatat	tttataaacc	ttgtgtatat	agatatcata	tatgacataa	116160
gaaaactgga	cagagtttcc	aaggcttcac	ctttacccat	tcaagtttta	cagtgtcttt	116220
ggacacataa	aagtgactct	atacaactt	agtatttttc	tagtctaata	gaaaattaat	116280
cagaaccacc	aaattgacta	ttttatcatt	tgtaaacatg	taaccataa	gttttaatcc	116340
aatctatttc	agaattctta	tgtaatgaat	tcacttaagt	aataaagcta	taacacacag	116400
aagcatcttg	cattatttgc	acctacagag	caaaatggtg	gtatacaaca	tatactccaa	116460
ctctttctac	actaaccttc	acctatgcat	tgtatttttag	cacccagtta	atgtaagtct	116520
ctgtagctat	cttgaaagaa	attgaaatca	gtagcaatca	tcaaccccat	catctcctcc	116580
atgccaaatg	atgactttac	tagttttctt	cagaaaagtc	tagcactgaa	ctctgtgtac	116640
aataatctac	ctgaaatgag	tcagaataac	cactgcagtc	ttgaagaacc	cactcaaact	116700
aaatatagaa	agagtgtccc	tatctaaact	tggacagcat	tcttttcaca	aaaatcatga	116760
tctgacagtt	aatgtgttta	taaccaatac	ttttggacat	tcagaaaatt	ttgttttcat	116820
ttgttcatta	aaacgccaac	attaaaacgt	tttgttcatc	ttgtatagaa	atatacattc	116880
tgctgtcatc	cgtactagag	aaatgaaaca	gagaatccac	ctgcattaca	gctgtccaaa	116940
tgcaggatgg	ggggcggggg	gcacagcact	ttgcctcacc	cagtgttttc	ctcattctac	117000
ttggcaatgc	agatgaaaga	ataaagttac	attttccctt	aagtttataa	ggtgaaatgg	117060
gaacacttga	ttctgtgcta	ctccccctag	aaaaaaacca	aaacaaacaa	acaaaaaccc	117120
tttctacttg	ccaaatctga	taccaaatt	agctcttaga	actacgtttc	taaagaaaat	117180
gcattagtg	gaattttaac	agaaaaccca	ttatactcat	gctgttacta	aaacttttcc	117240
aagttcttct	cttcagaaaa	aagagcctca	ttttaataac	tcatacttct	aaagaaaata	117300

283148US0PCT.ST25.txt

aaatatcaat	tctctactaa	gattcctttt	tgggtggtag	aaaaacaaaa	gaatcacgca	117360
ttttcctact	atgtttgata	agcacagtgc	taccatcaaa	actgcaggaa	tgaccaccct	117420
cattaaatcg	accccaaaga	atgaaccccc	agactaaaca	atgagtagtc	aaacaacctc	117480
agggttctgt	ttttctttca	atgcattcgg	cattaagagg	cgatttttaa	aatgtatatt	117540
ctaattatac	attttcatct	tgtcaacatc	tcttaatata	aaaaccagta	ataaaaggta	117600
atcagaagtt	cagtcttaac	atagtttcag	gattaccata	ctgttttccc	taattgttac	117660
tttactatgt	aatttagaac	accactttgt	tacaatctgt	tcataaatat	ctatgaacag	117720
atcttaagtt	acataaagg	ggaaaacaat	ggctcttggg	agcctggagc	ggaactagca	117780
ataagcagta	aaggtaagca	atttttaagg	tgctggctcc	attttcagac	tatgctgtta	117840
ctgtttgttt	caatttaaga	gcacccattt	acaaaagtgt	ctttcctgta	tacattcatg	117900
gtttcaaagc	aataagtatc	aacaactgga	tttattagca	tcttccttta	gaagagctta	117960
aaacactctt	gatgtttatg	acctcattta	ccttccagcg	gccttgtgac	acagaaaggg	118020
gaggattata	attaccccca	ttttacagac	agggaaagtg	agaaggcagg	attaagtggc	118080
tctcccatag	acacacaatg	actcattaag	atcagcaact	agaaacctgg	tttcctgatt	118140
cctggtttag	tgttccacat	actatgcttc	cttctatgaa	gtactatttt	tgtaaagggt	118200
tctctttcaa	taaaggaaac	agaacaagtc	atgtgacttt	cattcacgaa	agccggtgtg	118260
tgttttcatt	agcaccttag	ttgtctgctc	ctgcgaatag	ggcagcagca	gtgcacgcta	118320
ttgtcttatt	atggccagag	ccagccaact	aaagcaaact	agcacccgcc	acagcaaaca	118380
gaaaacttgt	gtggtttgtc	aatcacctca	ctggatttct	gaatttagga	aaattctctg	118440
ctttacgact	tcaaaaggca	aaacttttca	acataaatcg	tgattttatt	gtccctttgg	118500
aaacatatct	cttatcattc	tttcccctta	agaaatgata	atccttttat	tcaacaaaat	118560
ttaaatatgg	atactttcag	tagtaattct	gatctaattc	gtcttataca	tacatacata	118620
tatatacgcc	aatttttagaa	taaaatccct	aaaatcacta	aaaaggaata	ctaaaacagc	118680
aaattttatg	gcattcatca	atctaccatc	ctaacacaaa	aacatataaa	gttaatttta	118740
aaaatcagtt	ttaaagcaca	ggaaattcag	tagcgtcttt	ccaattccca	aacaacaacg	118800
aaacctaaca	aattgggttag	agttttccac	atgcacacac	acaaaaaaca	catgataagt	118860
aaccttaacc	tgccctcaaa	taagatgcat	aattttgagt	ttgctctgga	ctaataaaaa	118920
cagatgtacc	tgagatatac	tttttaactg	gctcttgac	tgaaagccca	ccccattca	118980
cgattctatt	gtaaacaagt	gccagacatg	gctggaacct	tacctctctg	ctatcactta	119040
tgcaaatacc	aaacattacc	cacataaccc	caaaattatt	ctgcatcagc	atcactaacg	119100
aggctctccc	atgcagaaca	ggaagagctc	agggtggaaa	cacaggccac	ttctaagagc	119160
caggcagggc	agggggccgc	ccaggaagtg	ctttctctat	ttcatcttca	aagaaatgct	119220
ttgcaagtcg	gccttctaca	aatcattttc	tcaaaggaca	ctgatctact	gtgaactctg	119280
tatttatgag	catcccaaac	aaatttctag	tgcattgtatg	agttaaataa	aagtgggtat	119340

283148US0PCT.ST25.txt

ttatcccaag	ttcctaaatg	cttcctttct	gtctcaacgg	accacaactt	tggtgctacg	119400
tggaactaagg	tgacactagc	ctttcctatt	ctgctgttct	ctgtgttcaa	cttactttac	119460
tagaaacca	atggggcaga	tatttctttt	tttttaaag	tcgttgggca	tggtggactg	119520
actgcagttg	tctattttga	tttaaaagat	ccttttactt	cttagaagag	ggttcatcat	119580
gatacccaca	caaacttcgg	acaaacagca	gccccagtga	tctctcatct	ttgttcagca	119640
gctacagaac	acaggcttct	gtctggactt	cagaatcaag	aatcctatgg	gctgaaagga	119700
attttacgca	ggtgggaaat	cttaaacaaa	agctcaatcc	agtctctaaa	taaacttatc	119760
tcttagagtt	caacattttc	actagcctga	aaagggcatt	atttcctatt	tggaacccaa	119820
ttctgaatgt	atcggcttca	tcagaaacgc	cttgcgctcc	tccaggcctg	gaggcacaaa	119880
ttccagctta	tggcgcctgc	tatggcagag	cccactgctg	gggccccagc	tccaccagct	119940
ccaggtttgt	cccaccagct	ccactgaaag	caggaagagg	tggtatgttc	ttggctgttt	120000
tctgattaga	atcagattcg	ggtaagatgt	aatttacttt	catgttcact	ctggcatata	120060
cccattttgtg	cagaccataa	atatgtgtgt	ttttccccac	tcaattatac	tgctgctgct	120120
gctgctgtgt	ttataatgg	ctgtgtctta	taaggcagct	aatccttcaa	ctttctgaca	120180
cactagcaat	agtgtataag	taactccaac	caaagtgacc	ttcagctgag	aatcactggt	120240
cacaggatac	attctggcga	cttccaatga	tttaattgga	tgctgaagca	ccacactcct	120300
gataattctc	tgtgactctt	catcttctag	tatacggttt	taataaagga	aatagctttt	120360
ctctattaca	ctagaataac	aggaggttca	ccccacagct	ataattttaa	atcccatgga	120420
ccgacagtcc	taagtatact	ataaaacaga	tgctggattt	agatagcact	aaactggctc	120480
atttaagaac	aaaaggctgt	gaatctccag	cccaccttga	tcctcatctc	atgacccttg	120540
aagactgttt	acaccttagg	ctcacatcta	atccagcatc	caaattttac	tatatgtttc	120600
actgttccca	caaagcctct	atcctgctag	gaaccctaca	aagaaaacag	ctacaaaatt	120660
aaataaagtc	tcccgaattg	agcattcacc	tttccctctc	atctccccga	ccccaaacac	120720
cattcaaagt	ttagacagcc	agaatgcacc	accagctgca	ttctgcatca	gctctctctc	120780
ctcatggata	tttgatcaga	acgggaagaa	caataccagg	caccctccta	tccaattggt	120840
cttgagaaga	cctgtgtttt	ttgtctttcc	cttgttttct	ccaaagcact	gattgtaaat	120900
cctggctgca	cattcaaate	acctggacaa	ctctgaaaaa	tgtccgtccc	tgccctcctag	120960
ccatctcatg	tttcaattca	acgggtctgg	ggtgaggccc	aacaggtaat	ttttcaatcc	121020
tccccagggtg	agtctcacct	ggggcagggt	cctcacaggg	tggtcccccg	gccagcagca	121080
tcggcattat	gcggagactc	actagaaatg	cacagcctgg	gccgcgcccc	aaagctacag	121140
catcggaaac	tgcggggtta	acacaggcca	gagatccatg	tttcagcaaa	gcctccaggt	121200
aactcccaca	tatgctcaag	ttgaacacca	ctgcattagg	ctgtgtgcag	ccttaccggt	121260
tcaccccttc	cgagaaaaac	aatgcctctg	atggaaaagc	tcccacagtt	tgtgtgtaaa	121320
acggaaatgg	ttaactgtcg	ctattagcag	ccatcaaaat	ggatgctcat	ttcttaaag	121380

283148US0PCT.ST25.txt

actttcaggt	ctgaaccttc	aagctcacca	agaatcaggc	ggagcccagc	tccaggaaca	121440
cagggaaagg	tgaagctgc	ggctgagggc	agcgggtccg	acccgaggtc	cttccagaag	121500
gacggacca	cgcagccgga	tgaagacagt	cgggtgcccc	gcggcctcta	gtgtggccg	121560
tctgggagaa	cttccactgt	gttaagggac	agggggctgt	gggacgcaca	gaatgggtga	121620
atgggtgggg	cctcaaaaaa	tcagtctccc	tcccacgcgg	aaaacgtcac	attcaactcc	121680
aagacgaatg	ttcctggcaa	gttctctgaa	ggaagagaac	agggcagccc	gcagaaaaac	121740
aaaacaagga	gccagtgcc	ggctgtcggc	ttctgggtca	aggtcccca	aaagtgggag	121800
cagtgaacc	caagaggctc	cctcagcgcc	ccgcccctcc	ttcccgccag	acgccaaggc	121860
aaagggcctc	ctcacctttc	acgatggtgg	cctccttcaa	gtggtgggac	aagaagtcaa	121920
tgctggcgta	ggtgttggca	gggggcaggg	caccgggacc	cggccccccg	caccgcgcgc	121980
cgggtgctgcc	gacgcccaca	gcgctgatga	gacccccgag	gcttcgggtc	cggccccagg	122040
agctcttgct	tcccggctga	ggaagcggcg	gcggcggcgg	ctgcggctgg	ggtggcagcc	122100
cgggctcctc	cctcacgtcg	atggcgatgt	agttgagacc	attctggaag	ccggcagagg	122160
tctctctgcg	catgggcgat	ccaccgtcc	caggacaacc	gaccaagccc	ccgggctgac	122220
ccggggtcca	cggccggccc	tgcggtgcc	aagggggcgc	cggctgcaac	tgctgtgggg	122280
aggtgggcgg	ctcgtcgccc	cctccagggc	cgacaccac	gccgcccctc	ctgcttttcc	122340
tgagagagac	atthttccacg	gaggccgagt	tgtggcgctt	ggggttgtgg	gcgaaggacg	122400
gggacacggg	ggtgaccgtc	gtggtggagg	agaaggtctc	ggaactgtgg	cggcggcggc	122460
ccccctgcgg	gtctgcgcgg	atgaccttgg	cgccgcggtg	ggggtccggg	ggctggctgg	122520
cctgcaggaa	ggcctcgact	cccgcacct	gctccatgag	gctcagcctc	ttcacgccc	122580
acgtcgggct	ggccacgcgg	gcagcttctg	gcttcggggg	ggccgcgata	ggttgcggcg	122640
gggtggcggc	cacacccaaa	gccatctcgg	tgtagtccac	attgtccccg	gtgtccgagg	122700
acaacgatga	ggcggcgccc	gggccctggg	cgggtggcaac	ggccgaggcg	gggggcaggc	122760
ggtacagctc	ccccggggcc	ggcggcggtg	gcggcggtg	cagagacgac	gacggggacg	122820
cggacggacg	cgggggcaac	ggcggtatag	gggaggaggc	ctcgggggac	aggaggccgt	122880
ccaaggagcc	cacgggggtg	ccgctcgggg	cgcccggctt	aggagacttg	ggggagctga	122940
agtcgaggtt	catgtagctg	gagagcggag	accgctgccc	gctgtcgcgt	ctggtgccc	123000
gggtgcctga	gcccagcgac	gaggccgggc	tgctggcgga	caagagcgag	gaggacgagg	123060
ccgccgacgc	cagcagggga	ggcgcgggcg	gcgacaggcg	ggccccgggc	tcgccaaagt	123120
cgatgttgat	gtactcgccg	gggctcttgg	gctccgggtg	cagtgggtac	tcgtgcatgc	123180
tgggcaggct	gggcagcccc	tccagggaca	ggcgcggtgg	cctcaccgcc	cggccgcgct	123240
ggcccaagaa	gccctccggg	cggccgcgcg	taggccgcac	gggcgaaggc	actacaggg	123300
gagggggctg	cgtggggccg	gccccgaagg	cgctggccgc	ctggctgggc	cctggcggtg	123360
cctgaggctc	cagacgctcc	tcctccagga	tgcgccccac	gggggagctc	atgagcacgt	123420

283148US0PCT.ST25.txt

actggtcgct	gtccccgcca	caggtgtagg	gggccttgta	ggagcggggc	aaggagctgt	123480
agcagcagcc	gggaacgccc	ctgagcggct	ccccgccggg	gtgcagggct	gcggagaaga	123540
agtcgggcgg	ggtgcccgtg	gtgaccgcgt	cgctggggga	cacgttgagg	tagtccccgt	123600
tgggcagcag	cttgccatct	gcatgctcca	tggacagctt	ggaaccgcac	cacatgcgca	123660
tgtaccact	gtcctcgggg	gagctctcgg	cgggcgagct	ggccttgtag	ccgccccgc	123720
tcgcccggaa	tgtcctgccc	gccgcagagg	tgggtgctgg	ccccgcaggc	cccgcagaag	123780
gcacggcggc	ggcggcggcg	gcggcggccc	tgggctgcaa	gatctgcttg	ggggcggaca	123840
cgctggcggg	gctcatgggc	atgtagtcgt	cgctcctgca	gctgccgctc	ccactgcccc	123900
cgagggccgc	gccgggcgtc	atgggcatgt	agccgtcgtc	tgcccccagg	ttgctgctgg	123960
agctcctgtg	ggagccgatc	tcgatgtctc	cgtagtcctc	tgggtagggg	tggtaggcca	124020
ccttgggaga	ggacgcgggg	caggacgggc	agaggcggcc	cgcgctgccc	gagaaggctg	124080
cccgcatacag	ggtgtattca	tccagcgagg	cagaggaggg	ctggggcacc	ggccgctgcc	124140
gggctggcgt	ggtcagggag	taggtcctct	tgcgcagccc	tcgggtccagg	tcctggggccg	124200
cgtccccga	gacccggcgg	taggagcggc	cacagtggct	caggggcctg	tccatggtca	124260
tgtaccgta	gaactcaccg	ccgccgccgc	cgtctcgggc	cgggggcgtc	tccgcgatgg	124320
actcgggcgt	gttgcttcgg	tggctgcaga	aggcgcgcag	gtcgcctggg	ctggagccgt	124380
actcgtccag	ggacatgaag	ccggggtcgc	tgggggagcc	cgaggcggag	gcgctgccgc	124440
tggagggccg	ctggccgggg	ccgtggtgca	gcggatgcgg	cagaggcggg	tgcgggccgg	124500
gcggcggcgg	gtaggagccc	gagccgtggc	cgctgctgga	cgacagggag	ccggggctgg	124560
tggcggcggg	cggcgagtgc	gccacgggca	tggacatgga	gcggctgtgt	tgacgcgcgc	124620
cccctgccgg	cagcagcgcc	accttgctcc	cgcgcccgcc	gcagccgccg	ctcagggtgt	124680
gcgagcggct	caggggcgcg	cgcaccggcc	cggggctcag	ggggctccca	gccaccgaca	124740
ccggcctggc	gcccgcggcc	gccgctcccc	ccgccgcgcc	gccgtcgccc	tcgctggcgg	124800
tgcgcacccc	gcacgagctg	cacttgggcc	ccggcggggg	ggcggccagg	ctgtcggtgc	124860
gcgagcggcg	caccaggccc	gtctggctgg	ggggcagggt	gaccagggtg	tggtggcggc	124920
gcgcgccggg	gacgctgatg	gggtgcgtgg	ccgacgaccc	cgacgattgg	ctcttactgc	124980
gcggccggaa	ctcgaagagc	tccttgagcg	ccttcatggc	ctccaggatg	gtctcgtgga	125040
tgttctgcgc	caccaccgag	tcgtccgcct	gcatccacag	ctcgccgggg	cctgtgacgg	125100
ccgagcggcc	cacctgatg	aagaagaagc	tgtccgagtg	gccgcagcgg	cggatgttca	125160
tgagctgcag	cgtcaccgac	ggctgctcgc	agttgagctt	cacgaagccg	atggtgcgcg	125220
cagacaggca	cagacgggtac	acccccgtca	ggttcttgct	ctggcccaga	cccttgggct	125280
tcaggttcac	ctgccacacc	tcacggtagg	cggccgtggc	gggagccacc	agcccgtagc	125340
tgtcctcggc	cccggcggcg	ccggcagagc	cgcccagggc	gccgggcagg	gaggcgtgc	125400
aggacgcggc	gggcgcggcg	gcggggggcg	cgtctccggc	ggccgcgcgg	ccctcgtgta	125460

283148US0PCT.ST25.txt

ccagggtcggg	gagcgcgcgg	taccagccct	cctgctcctg	ctcgtttctcg	gcggccacgg	125520
cgaagtactc	gtccttggtg	tagagggcga	tcagggtactt	gtgcttgggc	tcggcgcgct	125580
tgttgatgtt	caggcagcag	tcgagagcga	tcacccgttt	cggcgcgcct	gccttgctcc	125640
gccacttttt	ctcgtctctg	tagtactcga	gccgcggcgg	ttgcggcgcc	gacccccgc	125700
ccgccgtcgc	ctcgtcgccg	cccgcgccgg	gtccgcgcag	cacgaagaag	cgcttggtgg	125760
catgcttctg	cttgcgcgagg	tagccgcact	tgcgcacgct	gtggttggtg	ttgttggtgt	125820
tggttggtgag	gttgggggccg	tctccgctcg	ccggcccggg	cgggccgtgc	cgcggcgggc	125880
tcgccatcgc	gggcgccttca	ggccgcgcgg	cccggggccc	gcgcccaggg	gttggggcga	125940
ggggcggaag	gggcgcgggc	gggggcggct	ccctcccacc	cttgcgcccc	gccgcccggc	126000
cgatcacgcg	tccctcgggc	ccaggcgggtg	gggaagggtcc	ggggaggccc	gcgggggcca	126060
gcaccgctcg	gcggcgccgc	gccctccgcg	ctctggggct	cctgaggatg	cccggcgcg	126120
gcggtggccg	ccccctccc	cggtgcctg	cgcccgctgc	ctcctcgggc	tctcgggcgg	126180
cgccggggga	cgcgctcgct	gggccgggag	tcgggggtccc	cgagccgcgg	ggccgagcct	126240
aaggcgcgcg	cggccgcacc	ggggctgctg	ccgccgcgtc	gcgctccggg	aagccggggt	126300
gcgcccgggc	gctcgggggtc	cgcgccgccg	ccggggctgc	tgctgctgct	ggtgttgctg	126360
ctgctgctgc	caacggcgac	ccgggctcgt	cgcggtcccc	gccgcacagt	gagtaacaca	126420
tcgcgcaccg	agtgactgaa	ctaagaagag	caaaacaaca	tgtgactcgg	cgttacgcag	126480
gcacacacag	cgcgggccgc	ccgcccgcgt	gcctcgcat	ggcgccgcgc	ccccgcacgg	126540
acggcgcgct	cggccaatcg	gcgcggcgct	cgcgggggcg	ggccgcgcgc	ccccgccccg	126600
ccccctttc	tccccgggcc	gcgtttccc	ccgtccctc	cccctcccgc	gaaggccccg	126660
gcccggccgg	gcgggggtggg	gcggccccgg	cctcattaat	cagcggcttg	ttgtggatgc	126720
cggcgaggga	gatgccaccc	agggcgggaa	aaggggcgcg	gaagaggggc	ggggcgggcc	126780
acggcgcgca	gggcccttcc	ctccgcctc	ggactcaatt	aattgggctt	gagcttccgc	126840
cggggagggg	gcgcccggcg	gggcgcgggc	tgggcggggc	gggggatcgg	gatcggcggc	126900
gggggctgcg	gccttgcatg	ggaagcatgg	gcggcgagcc	gggccgtgct	ctcggggcgc	126960
gggggtccca	ttttgggcga	gggcggccgc	tcccgcgctc	ggggtgggcg	cgccccatcc	127020
ccgtcccccg	tttcccgctc	ccgtctccc	gccgcatctc	cgtccccccg	cagccgcgaa	127080
acgcggggag	gttccagggc	ccgcggccgc	gggttcgcga	gcaccgcgct	ccagatcgag	127140
agcggcgcgc	gcccttccgt	ggaggacaga	ggggcgcgga	gggggcgcct	gtgtcccacc	127200
cgctcgcggg	cgctttacgg	ggcgtcctct	gcgccattca	cttgctcagct	tgctcggaag	127260
ttgaaatcgc	gtttgggagg	taataggaga	aagagatcgg	ggacggcagg	cggagaaagt	127320
gcggtttcca	tagcgccggg	gagagggcgg	acccgcgagc	cagcgggtccc	tgagccggga	127380
gaccgcgcgg	gcgtctctcc	agccccgcga	ggagcgccgc	cttccttcg	caggggcgct	127440
ctctcccccc	accgctgcag	gagcaccccc	ttccttcctc	ggaagcgtcc	tctcaccaca	127500

283148US0PCT.ST25.txt

ccgcttcaag	agccccccct	tccttccaca	ggggcgctcct	ttccccctcc	gaggcaggag	127560
cgccccctttt	ccccccacag	gagcgccctc	cccaccccag	gagcgccctg	cgcccagcag	127620
acgggcaggt	gggcgggcgt	ccactacctg	tgtgcgcggt	gcgggcgggtg	actgccaaagt	127680
tggagatgcc	cttggaagaa	tgcttcgaat	tcatgtatct	actgggcttt	tgtgactttc	127740
aaagcctata	gcaaataagc	accctgcaa	ttacgtctcc	tcaatgacca	agtcagggtg	127800
aggtgagggc	ttcctgagtt	cagatcccag	caagctcccg	atcctgcgca	acgaagaaaa	127860
ctcaacaaaa	caggcttttg	ctgtttatct	tatttttttt	ttaattgtgc	cttcatgaaa	127920
taattttacag	caataattta	tcttataata	ttgggttattg	tttttaagtc	ccggatgttt	127980
acttttggat	gtcctctata	attcatagaa	gtatcttaaa	agtaataaaa	tcttaattcta	128040
agagaaaaata	agtgtaatct	ttgaaagagt	gatataatct	ttaatatgtt	tttgtaacat	128100
gtgacttgaa	gattgtgttg	gctaatttta	tgtgccaaag	gagccctgac	tagtacaag	128160
attatagcgt	ttttattttt	agcatgtata	cagttaggat	tattgatcag	tagcctgaat	128220
ttgggaagaa	taatcattgt	ggcaaatact	accagtggtg	cctcaaaaag	gtgtgtttta	128280
agttgatctt	ccatttttta	atcatacctt	aaaaaaaaat	acctcaagaa	atgccatttt	128340
aagtctgtgc	acctatgtgt	gcatgtgtgc	gtgtttgttt	atataataga	ttgtgtgatt	128400
gtgtgtgtat	aggtatgtgt	gtatgattgt	gtgtgtttggg	ggcgccacct	ttatgaacat	128460
tatgcttcgg	cgcttctttt	agatcttggt	accttttctt	acgttcacaa	atgttgccta	128520
gcaatatgtc	tagtcaggaa	agatgaaggg	attcttatct	tgggtgcttg	agaaaatgtg	128580
gtgtagtttt	attggctttg	tgatcactta	catccacctt	ttatgaggat	gtaaatgggc	128640
cacctctatg	ttcctgtatg	ttgccagcca	tcagtagaca	atgctaaagg	aaccaccact	128700
tttaaacatc	atgtgatggt	ttcttctgag	aaagtatatt	ttgcaatctt	tttctttttc	128760
atgttgactt	ttattatgca	gttgcatctt	catatccgta	ttgaacattt	acttgctgtg	128820
cctgtcacac	gctagcagg	gtcatctttt	cctgtttgct	tggttcttgg	ggccatccta	128880
gtgttaaagg	ccagtgtttt	taagggtgtca	gcagctctgg	attggcagtt	agcactttcc	128940
ccatgtactg	cctcagttac	cagactgggg	acaaaagaga	gaagggttaa	gaattatcac	129000
ctatgtccgt	ggtattctgt	catagagagt	ataaatttcc	tacagcaaac	tggaaattaa	129060
ttgcaattct	gcagttagaa	cctccaaata	caaatgtgga	tgatacaatt	tcaattctca	129120
ttgagagtca	gcccataaaa	caaaccaaca	gtaagaaact	ctgtaattag	aagtatccca	129180
gtcctcttcc	tcaaccgagg	aacttggttt	ctttccccct	ttctattgcc	agataagcta	129240
tttattttatt	taaagcttgt	tctacacctt	gtgattttcc	aactgttctt	ccatactttt	129300
tcaacaaaag	tcagctaata	acatctgcca	acatgctctg	cacgcaggac	tggctggggc	129360
tggcatggcc	tcttgccagc	aaacagcctg	gttgaaattt	tttctcatgg	tccaagatct	129420
ttccttgga	gctttctttc	ctttcacagc	taataaaatg	gccatatctt	tcagcaggga	129480
gttttttctg	tttggttggt	ttttctatct	ttaacagaat	catatacaat	aatgattatt	129540

283148US0PCT.ST25.txt

ttattagaag tcttctgaaa taattacttt tcaagaaaga atcaattata taaaagtgtg	129600
gagatttaaa aatatgttac aggttcacaa tacaatact agtagcacta ccaataatga	129660
acatcactaa ttattttctt tgtttcatat aggaaaggca agtatgggag gagaaagggtg	129720
aatagcattt tattgcttgt gaaattttct ttcttttttt agttctttgc cctgtagggtg	129780
tttgacagta ttttgtattt aggtgagctc aatctaaaaa ctaagcagat taagtggaat	129840
gctatataac tagttagaat agctttaatt taaaagggtat ttttaagaggg aaagattttt	129900
aacttcacag gtttctgtca aaggatata ttaatcttta aaatgagtgg caccatttca	129960
ttatatttca ttttattaga taatgttgtt cagtagctca tttgagaaat tccattcctc	130020
tgatgaacga actgtggaca gacttttcct catctagggt ttataaggaa acttcttgca	130080
ctttaccagc aaattttatt gctaattgtt caactgaaat ttcacaagag ttttgaaca	130140
tgctaactct gtgtatgggc aacagaatga cttacatgag agaataaac tgctgtttgg	130200
atcatttgct atgtatggca ttgcaaacat ttaaagtatc aggatttggt aatggaattg	130260
atcagcccct tggaaattat aaaggcttct tacttggtgtg tttattattc ttgttaaaaa	130320
tatggatcag tctctttcct aaatgttcat tttatgaggg aggattttct aaaataaatg	130380
attattttaat gtgcatatat gatagaacaa actactataa cttttttaaa gtcttatcaa	130440
ttgaattaat actgtttaga aaaatatgtt gtagttacaa atgcagctaa tccagtattc	130500
tcaacatttt ttcatataa atataattat gttgaagaaa tacataaatg cccaattaaa	130560
aagtgactgc ggtagagggt tgaaaatatt tattaatatg cctctggatt ttgttctgtt	130620
tgaattttga gaatgtgttt ctagatttaa gaagcaacac aagctttttt tcccagaagg	130680
cttcctatta ttgaaatgga aattatacat taatgactgt ataacactag tagatatttt	130740
taaaatgcaa gagcatcttc ttagatcatt acttttcctt ggaatgcttg gccctgtaa	130800
tataatacac cggtattttg catgatgaaa ttgatgtcct gtgtgttgct tcatgttgct	130860
atcctagctg ccgattaaaa cgtttttttt ttttcatgcc agagcagaac aaaattgtct	130920
gcttctcaat ctgcacatca taagcagatg acattaaaaa tgtctgtaag atgacacagc	130980
tatattttct gggagagggc gggaggatgc tcagcgaggg tggcccggag tgtccttgta	131040
cagagtacag atgttatgaa gtggggaaga ccagcctgtg ttcatgatt cacctattga	131100
ttccaggagc aagctcacc tgtttcatac actgctcagg aggtaaacag gaggaaggga	131160
gccagcctgg cttttttgcc acatgctctg ctgtttggta gaactgtatt atagtcagaa	131220
accttccgct tttctgcagt tgtttgcagt ctgtttccaa ggctagccct ctgagtctgt	131280
tttctagagt tgttttgaaa ttcaacctaa agataacaga ggaaatgtga ccctctcttg	131340
tgaatgctgc caccaactgg caatgtttct tcccaaggca gattcagggt tctggcatga	131400
gttgtcacia atacagtggg ggttgctttg agagaaagggt gcttacaacc tgacataaat	131460
ttgctttgca tgaaacttta aggaaattaa tagaagtaag attaaacaaa gaaattttga	131520
tagtgagtga ctaagagcaa tatcagatga caaatgaggg aagagaacat taataagtgc	131580

283148US0PCT.ST25.txt

aatacttttat	tttttatggt	tgaattaagt	atcaagcaaa	tatgttcata	ttttctaattg	131640
caattttatat	cccaatttgc	atagttactt	atacagttta	atagaaatgt	atatcactgc	131700
ccacttaaga	gtttagaata	ctagccaaca	aaataaaaac	aagaatctaa	attcagtatt	131760
atttttagaat	gtttacctaa	tcaaaaataa	gttataatca	agatttgctt	atctggcaag	131820
ccaagtgttt	tttaattgta	tttctcccct	acattgacct	ttaagtctca	cattcttttt	131880
aggataagcc	aaagtcacat	tgaagattg	aaaagcaa	tggaaaaagt	aagataggaa	131940
agaaaacata	ctctgaaaat	gacacataac	aaaaatgtat	tttaaaaaca	taaataacaa	132000
atggcaataa	gcacgaatg	tcactatctt	tttgattgctg	taaaattatt	tgaacttaca	132060
tactcattac	taatttggca	attctaaatt	tacaaattac	accttccttc	ttaactgctt	132120
tattctcaat	ctttaggcat	tgcaaataga	agatattcaa	gttagtcaaa	gtgttcagag	132180
ctgttattca	atagagtga	gggatctgaa	aacttatttg	ctactgaaca	tgtcgttgag	132240
gtacttttat	ggatgaaaaa	aagttgat	ataaaatc	aataatagta	atagcttggtg	132300
agagtagttt	gtcagtatac	tcacaaagat	catgaatttg	acgcttacta	gtatgagggga	132360
taaataaaaa	acattttata	atatgtagct	accataaaga	tacgattatg	acacaactga	132420
gaattgagcg	gtctttta	tctccttttg	agtaatcttt	accaacctgt	cctctgagcc	132480
tccgtgtata	tgctatgttt	aagaccaatg	attagctatt	tatacatgaa	ttttccattt	132540
ttccttggtc	aaaacacttt	tgtcacacaa	ataatattaa	ctaaactaaa	gtgacttgag	132600
ggagtatgga	ttaatgaggt	tcacaagaaa	ataaataaag	caacaacttg	tgaaatttag	132660
ggcagatgcc	atttattgcc	atttcccgt	gactgttaag	tagagatttc	agttcagata	132720
aacacattct	aagaattact	actgaaagt	taaacatcag	cctgcatttt	agtacttgct	132780
ggttcttttag	taaaaatttc	gaatgtcagc	ccaaggttgt	cttgctaaaa	gagaaaaaaa	132840
ataggaatta	tatattgaaa	acatcttaaa	atttatattt	atactacaaa	aatttccttt	132900
taggtagtaa	aagtgagaat	ttaaaaacat	gattctcact	gctactaaaa	gcacacagaa	132960
aatgaaatac	atatttttga	gacttgatac	ttacctgttt	tattttgata	aacttgatcc	133020
tagtttttaa	gtttcttcac	actaaaagta	caccacaatt	tcaaaatggc	acccttgctt	133080
ctcacaatat	aaactttaaa	ggaaattaat	atctagatca	tcattttgct	ttgttgtttt	133140
aaatatcatc	atgttttagt	tacagaataa	tacaaaagt	ggctcaccct	ttatcgtgaa	133200
ggtgcattta	tggcattttc	aattcaaaat	ataaaaatcc	gcaaacattg	ttactaaaaa	133260
tgtgctagat	atttgtaaag	cctcaaacgt	atactaagaa	ttaccagaa	cataggtctt	133320
tgccccatta	gctttctgtc	taagtaataa	ggcactat	tcctcaacta	tttctttcct	133380
caaatatttt	tttcttggtg	cttttggtac	aatattgcca	cacataattt	gaagataaaa	133440
attgccatat	attataacca	tcactctggct	tttttaaaaa	aactttctta	gtgcttgatt	133500
ttaatgtcca	atgctgcaat	ttaccttct	tcttactaat	ggtgtagagt	agagaaagt	133560
acttttatct	ctgagctgag	gaagtttcta	aatttcattt	cacagaaatt	agttttaatg	133620

283148US0PCT.ST25.txt

agtcaaacag	taattctatt	tcttttattt	ttaggttgct	tccttttagaa	ggtaccgttt	133680
tggactcttg	acgctgcctg	ggcccatagt	gtgaggaccc	atctgtgtag	tagagaataa	133740
tactcaatag	atgtagtgat	gtagttatgc	tgtgtggtgg	taaattcatt	ctaaccctagt	133800
gaaatgttgg	attcgggtcaa	atttatcaac	gtttcttaag	cacctacttt	gtactagaca	133860
ctgatcctgt	ggacatcaaa	atgcaaaccg	accacaacca	ctcagctgtg	tctgctggga	133920
aaggccctcc	tctgtgcgtc	tctcctgctc	ccacgcctgt	tagtggggtca	gtgaaatacg	133980
caagaccctg	gctttgcttt	actcaagcct	tttttaaggg	ttgtgcttgc	agcaaaccac	134040
actaagaggt	gaggtcgcat	tccagaacaa	agtgcggggc	tgcttatttc	ctgctacaaa	134100
aatggtggat	tacccaagtc	ctttgtgtca	gccgaaacac	agcccactgc	aggcgtggca	134160
tccaacaggc	cccgcctgt	tgcccatgc	tgcccgggaa	gcaagaggaa	tagaggcaag	134220
tcatgccact	ttctgtgcca	tgagtctctg	accggaagg	cttacatcct	ctgccagcat	134280
ccacctaacg	gtgacgggct	aacattactt	tctaagggaa	agggagtaaa	atctcaaacc	134340
ctgacagtgt	gcttaggaag	ctcacaatc	agtgggaggt	ggagaaccta	catgaacata	134400
gccaaatcaa	aagggtcagtt	gtatttggtg	cagaactaaa	tctagataca	agggacaaag	134460
catattataa	agctggcagt	ttatttcatt	ggaggataag	agattattca	gtaaatgggg	134520
ttggcagaac	cagaaaaatat	acctgtagac	acataaaaaat	tagatgcctg	tgtcctttca	134580
ctaaaatgtc	aggtgaagca	aaaaattaaa	tattaaaaca	tgaaaccata	aaaccaagta	134640
gaaaagtaaa	gaaatattga	taaacttgac	tttctaaaat	aggattctgt	aggggggaata	134700
cagtaaaaac	aaaacaaaaa	cagtaaaagc	aaagttaaag	tagaagctgg	aaggaaattg	134760
cagccagtat	catagatgaa	gtgctaata	tgcttattta	atactttaaa	agagcgctgt	134820
aaaaaataag	aaactaaaaa	cattctaaaa	attggtgaat	gacctgaata	caaatttcac	134880
aataatgaaa	attaatgcaa	gaaaggctta	aatgtgtgaa	agtttgctta	acctttcttg	134940
taataagatg	aatgcaaatt	aaaaccacaa	tgtggtagaa	tagttcacct	atcagattgg	135000
cacagatcaa	gaagtttgat	aacacggtgt	gtttgccaga	atgttgggaa	acaggttccc	135060
acccaaggct	gctggtggta	cagactgaac	agcatctata	caatttggtg	gtatctgtca	135120
aaacgacaaa	tgtctcatgt	tccttgaccc	acaatctaata	ttccagggaat	tactcatgtg	135180
gatgggaaat	gacttcttta	taagggtggt	cattgcatta	ttgttaggaa	tagaaaactta	135240
tacacatgat	tacagtattg	tcttgtaatg	gcaaagggtt	gaaccctatg	caactgtaac	135300
acaaacgagg	cagctctgtt	tatactgacc	cagaataata	tttgactgta	taatgtgagg	135360
tgggaaaaca	agcttcagaa	cagtgtgtat	agtatagtag	aaccattttt	tttattttta	135420
aaacgtgtgg	gtatgtgcac	agatacctac	tgcaagtgtg	ctcacaaata	tggcaatgctg	135480
aggagccaac	ctggcttcct	ggggaagggg	cgggttgggg	agaggactca	cgtttcatcg	135540
tgttactttt	cggactttcc	gaattttgta	gcacaagtat	gtatcaaata	tttaacagtg	135600
taaaaataat	tgactttaat	ttctaaaggc	tcagtagcac	ttggtgatga	tttgggggta	135660

283148US0PCT.ST25.txt

ggggaggaag	agaggacctt	cagtgtcctg	cactgtcgct	gggtgatgac	aaggctttct	135720
cctgagatgg	gggagggaga	gttaagagat	ttattttgga	cacacgaggt	tggacataat	135780
agaaatctga	gagaagatgt	tggataggct	gttgagagag	cttggaatgg	agatattaat	135840
ttgggattca	tgggcatcta	gctgcattta	agtccttagg	atttgccgaa	agtgactgtg	135900
agagatgaga	ttggagcacc	tgggattgga	cccaactact	cttaacattt	agaagtcagg	135960
gacagaaagg	taatctagca	gagaaaacgc	aatgaaaggg	cacagactag	cttgctgaag	136020
aaccacggga	gtggacagca	gagagcattg	cagcagggac	tggccagcca	ggggtaacga	136080
ggatgagtg	tccaggcagg	ggacctggtg	acatgggagc	catgttgatc	tagtgcggtg	136140
tttcctggtg	tgaggaagag	gggaatgcag	cctggagaag	gcatgacaga	tggggcagga	136200
tccatgagaa	tgaactttca	ataaatgaag	tctttgcatt	atgaattcaa	agtgctattt	136260
agcagaaaca	ttggagaacg	agaagaatcc	gaaggaaaat	ccaggggcaa	aataagcatt	136320
atcctccggg	agcagaagag	tcagtgtccc	caggatgcag	ccagctttca	ggaaaggctg	136380
agactcagaa	agcatgggag	tagtgttgca	atggaaagga	cacttgagag	aagacactgg	136440
aagtgttttg	gaggtaaagg	agtgaaaaag	ggctgggtga	aaggaaaaca	tcagttagga	136500
taaccccatg	ggagaaagtg	gatagctcta	agggcttcta	ctgtgggcag	aaatatgacg	136560
catggtaggt	tgagttgttt	gtttcgtttt	gttttgagac	tgagtcttac	tctgtcaccc	136620
aggctggagt	gcagtggcac	aatctcggct	cactgcaacc	tctgcctccc	aggttcaagc	136680
aattctcctg	cctcagcccc	tgagtagcta	ggactatagg	cgtgcaccac	cacaccagc	136740
taatctttat	tgtatTTTTT	gtagagatgg	ggtttcacca	tgttggtctga	gttggtctca	136800
aactcctgac	ctcaagcaat	ccacctgcct	cagcctccca	aagtcctggg	attgcaggtg	136860
taagccatcg	tgcccggccg	gtaggttgag	ttttaatggt	gtctgtgaag	atgcaagttc	136920
agctgtagcc	tggaagtgtg	acctggcatc	tgagaggagc	actgcagcac	cccttttctg	136980
tgctgcttgc	attggcatcc	atggtgagtg	cagcaatagc	tgtcatcagt	gagcaaagag	137040
gctccagcca	ggggccctgt	ggtgcctaca	gggagaggca	gagatctggg	tgtccccagg	137100
tttttctgct	tgagtcaaaag	cccctgggag	cccaggatatg	aaaacctagg	ggcttccatc	137160
atgtccggat	ggtgggtctc	catcattcct	cttaatctca	tggttttctt	gcaaagctga	137220
agaagcccca	ttatgggctt	ttcctcaa	tgaatgtcat	cttgcaacat	ctcttcagct	137280
ttgcattttt	ggaacatgga	tcagaatctt	tcctttcctt	gactcccttt	ctagcagctt	137340
gttagaatgc	attcatgtag	caactgggaa	tgaatgagac	acatttacat	ttaacacctc	137400
ccttccattg	acttcagctc	agacctttcc	agagatttct	ccattagagg	actgttagat	137460
gccactagac	gtgtgagacc	aaatgatggt	ggcatcatct	tggaaatagag	acggagactg	137520
gggtctggcc	tttcttctgg	tcctcagtc	tgcaggctgt	cctttctcca	ctgcacctcc	137580
tcaaggagca	ttcctggtag	cctctggaac	ctgccctggg	tgtgttttgg	ttcactctct	137640
atgcttgata	ggcttttctca	aagaacctgc	tgcacgtgaa	gtgctcaaca	cactcttttc	137700

283148US0PCT.ST25.txt

aggattgttc	ttttatgttt	ttagattaca	attttatgta	atttttttct	gattaaatac	137760
tttttgtgtg	gctacggaaa	agttcacata	aattaacaca	ttaaagacct	ttgaaagctc	137820
ctgactggca	cagtagacac	agccagtaca	tattggctat	gacggtttgt	gttctgtatc	137880
agattgggtt	acaggccaca	aagatggggg	ccctacggat	cctctctgtt	caagcagtga	137940
agagctggta	tctgaggata	aaagaagctt	gtgttgtaat	gatgtggaaa	ttccagaggt	138000
tgtgatggaa	tgaatgacct	agaatagaga	agagcaaagc	atgttgggag	cagggaggtg	138060
gaaaagggag	tataggaaga	ggggaagagg	ggctccagtt	ggcctccagg	tttctggaag	138120
taccaatcct	agagtcttct	tggtgaaggg	agttggccaa	ggcaaggaaa	cctgagccct	138180
ttgtgaagga	gtcagaggag	gtttatgact	aaaaaatgac	aaattatgcc	atattacgta	138240
ttctgaacaa	atatgtgtaa	atacatgatt	tagataaatt	aggatatttat	taaatatttc	138300
aagatttggt	tccagaagag	tacaatttgt	ctcttcacca	ttgttagagg	gaaaaaaaca	138360
ggtaaagcca	atcaaagaaa	gatgaaagtt	tttagaggaa	aaaaaaatct	agttttgcag	138420
caaagaggat	taatctgtaa	agtctcatct	tatagatgtg	ctactgtagt	aatctagaat	138480
ttgtttcttc	ttattcttca	tttcccaaca	gtattaagat	gaagtgtgta	atctttagaa	138540
ctagagagaa	gtctgtttgc	atctgtgggg	ttaatgcaga	gagggaggtg	agaggtgatt	138600
cttgccatac	ttggtcactt	gaataaaaact	acctattccc	atggctttct	ctttagggag	138660
tagaaaaccc	tcatttcaat	gaaatcagtg	tttttcataa	ttggaagcct	accttccaag	138720
agctaattggc	atataatgga	aatgaattat	cccttgctac	ctaaacactt	gcttcctaaa	138780
ctcatattta	actgtgtaag	gatatttata	ttaatttagg	aagtttatat	ctaagcaggg	138840
atttcccttt	aacgaatgaa	acaatatgca	tactggcaag	gtagaaaatg	ttttcaattt	138900
gcattttggt	gtttggaggc	ctattttaatt	cattgcaatc	ttatttattc	agtgatgtat	138960
attaaacata	aatgtattaa	aaatctacca	ctagaaagta	ctaattgtca	ttgaatggca	139020
cattttaaaa	tgaataattt	catgtttatgt	aaatgctgcc	taaaaactat	aatagaactg	139080
ccatgattaa	gacattatgt	ctacacagag	aaggttaaag	taacaatacc	ataactactg	139140
tccttttata	aataaacaaa	taaaaacata	atattttattc	caaaggacat	tcttgtgtcg	139200
aaagatgaaa	cagaaagaaa	gtggaagata	gtaacagaga	aagtggaaaa	aaggacgaga	139260
agggatagac	atgcaaaaact	ccagcattcc	aaagttaagg	gaaagagaat	aaccatgttg	139320
tgccataaac	cctagaagat	tacaaaaaatt	atttctagca	aattgacaac	ccttctttct	139380
gaaggtagct	ttgggcaaaa	aggtgctgtt	ttgagctttt	accctgaatc	acctgggggtg	139440
cacttgaaaa	gaagccattt	tgccaatgca	ttaaaagtgt	ctgagtgaaa	gctgccactt	139500
gattgtccta	agaggctttt	aaccccgagc	acataattat	ttcataacaa	acaatcagga	139560
acatttctct	tcctcatcag	tttcccagac	tacctcatag	cacatgcatg	atacaatgtg	139620
tgattttgca	gccttccatg	taacatcgga	gtcctaaaga	gatggacttg	aagaggctca	139680
tggtgatgtt	aattgcattt	tgaaatgcc	cacatattct	aagagatgtc	attctaagag	139740

283148US0PCT.ST25.txt

atgtcatcaa	tctcttaaaa	catgattttt	aatggctgca	taccattctt	ctaccccatt	139800
gtaccatgat	tcatTTaacc	acctcttaat	acttgcttcg	ttttggtggt	tctaatttct	139860
tgcaaataaa	aattttaactg	cccttgctaa	tgattatttg	gtaggtgatt	cttaccttga	139920
taagtaggtc	accatctatc	cagttgtgca	gctggaaacc	tggaatcat	tcttgcaata	139980
gttttcaccc	cgaatcccaa	tccattgcca	aattctgtca	attttctatt	cttagtatct	140040
ctcaagctta	ttcacttctt	tccacccctc	ataaatattt	ttgccgtaat	atttctgaat	140100
tccttattgg	ttcagcaata	tactaggtat	ttattatctt	ttatttttca	cacctatcca	140160
ttgttactct	tcttccaatt	tttctctcaa	atttttgatg	aaattcagtt	tatttacctt	140220
aagaactttt	attttttact	tattggattt	ttatattgtg	caacatagta	cacacataca	140280
aaaagatat	taacatatat	gtaagttata	aataataata	ctttaaaatt	ggcatagtca	140340
agcctaaaaa	gtaggacatt	accaatattt	attttgaagt	ccactgacta	gccttatcac	140400
aatctgaaat	tttgtgatta	ttgtcctttg	gctgtcttca	tgattttact	ggatatgtat	140460
gtaaacattt	tgcatgttac	ttaaatttaa	gcattataca	aatattatca	tcctattaat	140520
attcttctgc	aacttgctca	acagtatgg	tttattattg	agatgtaact	tagataccat	140580
aaaaatgtac	aacttaatat	tttttagtat	aatcacaagg	ctgtgaaatt	gtcatcacac	140640
tctaagtctg	gaatatcttc	atcaccccaa	aaagaaacc	caagaaactt	tgtgcccaca	140700
gcagtcactt	ttgagttccc	ctcccttcac	ccctggcggc	cataagtctt	ctctctgtcc	140760
ctgttcatcg	ttatgttttt	gagagaaatg	tattacgatt	tctgaagtcg	tagttcatct	140820
ttttcagttg	taataaatat	ataactgttt	ttcacttctg	ccaatagaaa	tttaggttat	140880
ttgtagttgt	ttttaaaatt	tctatttgaa	catgacttgt	ttttttaaaa	agtatgtttc	140940
acaattacac	accttttaac	aattaaagtg	ccttttaaca	attatttatg	catacatata	141000
tattcttagg	cacactgttt	tagacagaag	aatagaattg	ccagtgttaa	ttctgtccac	141060
ctttaatttt	aatgtgtaat	aaaaatcatt	ttcgaaagta	agtgtacaaa	ttgaaaattc	141120
caccaataag	gtgtcattgt	cttttacaat	ttttccatt	ggattgtagt	cattgtttat	141180
agaggccatg	tgTTaatctt	ttataaaaat	cgatttgtca	aatttattat	ttgcttttta	141240
ttttctttat	gttttctttt	gaatgaacat	caattttaaa	ttttaactga	gtaaaattta	141300
tcaagtttac	cttttgagtt	ttgtgccttt	ttcattttgt	tttaattttt	ttctctatcg	141360
ccaaattttc	aagtacttac	tcctgtatTT	cctttctctc	tctctctttt	tttagcttta	141420
attcacctgc	attatatgtt	tgtgcatgg	gtctgatagt	ggctcaattt	cagttttttt	141480
ttaaattgtt	tccgaggcgt	gtttcaaata	tttgactttt	tcccactgg	ctgaatagt	141540
cttctcagat	acggcaagtc	tctaggtttg	catgagtcag	cctctgtgcc	ctctgttctt	141600
ttccccgatg	ttctttttgc	ttcttcttat	gctattacca	cactgtctta	attactatat	141660
tttattaaca	aatctcactt	tctggtagac	catttccttc	acctacttct	tcactttcct	141720
tcaggaatgt	cttgatatt	tgtaactctt	ttccttatga	tttagcatca	gcttgacaag	141780

283148US0PCT.ST25.txt

tttaataaac	cttgtagga	ctgagataaa	attagaaaga	ttggacatct	ttaaggtagt	141840
gagttctcct	agccaggaat	gtggcacgtt	tccctatttc	tttagggaat	tgtaaaatgt	141900
ctttttataa	cgttttataa	ttttcccat	agagatcttt	aaaatatttt	gttagattta	141960
ttcctagcac	cttatatatt	ttgttactct	tgtaaaaagt	atcctttttt	tttttttttt	142020
ttttagaaac	ggagtctcgc	tctgtcgccc	aggctggagt	gcagtggcac	gatcttggct	142080
cactgcaagc	tccgcctccc	gggttcacgc	cattctcctg	cctcagcctc	ccgagtagct	142140
gggactgcag	gcacctgcca	ccacgcccgg	ctaatttttg	tatttttagt	agtagagacg	142200
gggtttcacc	gcgttagcca	ggatgttctc	gatctcctga	cctcgtgatc	cgcccgccctc	142260
ggcctcccaa	agtgtctggg	ttacaggtgt	gagccaccgc	gcccggccag	tatccatttt	142320
taaaaactac	attttctctt	tggtgcttgg	gtagagaaat	aaaatcaatt	tttaatttat	142380
cttatatctg	atcattttgt	taaaccctca	tattaatttt	aatgctttaa	agatgttttag	142440
agggaaatat	tttataaata	cacaaataat	accatttcat	gtgtcgctta	cagattttct	142500
catcttattg	aactggctag	agccaccaat	gtatgtctga	aaagcaacct	tgttttaatc	142560
ctttttgaaa	gggaatgttc	cagattctac	catgtggtac	catgtttgtg	ctaagatttt	142620
ggtaggttca	atttttttca	gtttaaagaa	gttctcctct	agcccattat	gccaatgaat	142680
ttaagctgaa	tggatataaa	aattaatcaa	atatttttta	gtgcctactg	aggtgatctt	142740
acgcctttct	agtttgattt	ataagtaggg	ctaactatat	taattgattt	ttcaatgtta	142800
aacaaaattt	acatttctgg	aatagattta	acttggtcgt	tctttaactt	tgcgttcccc	142860
ttaaaaagga	ccttgagaga	agggtcagc	gtctgatagt	tccagcatct	ggctgtggag	142920
ctgtatggct	gagtcacat	ctgttggttt	gtttgctgac	ttccaacctt	tgtgcctaga	142980
tattgaagtc	accttctctc	cctttgaagg	gcagagactt	tgtgtgtttg	tcctttcact	143040
cagcatggct	cttgagattt	ctggctgcat	gagaagggtcc	tgggagactc	ttcccttcca	143100
agagcctcca	tgttgtcttc	tgctttttgg	ggctactgaa	accgcagcac	aagggtgtagg	143160
gaaattacca	ggttccccca	gagccgtcgt	tccttgacc	gcctttccac	gatgtgtgtg	143220
cccccttttg	ttttgtcccc	tgggattttct	cctacactct	tgcgagggtca	ttatgaactt	143280
aaaaggatgt	ggatttttat	ttatttttat	accttagagg	tcttttatag	cagagatttt	143340
tcagggcatc	aagactagac	gttttgccca	aaagggaaaa	ccagaggctt	tcaatttttt	143400
tttgaattc						143409

<210> 19
 <211> 143409
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(143409)
 <223> Reverse complement of AL162497

<220>
 <221> variation
 <222> (12936)..(12936)
 <223> Position of polymorphism (a). At this position a polymorphic variant of the wild-type would have A instead of C.

<220>
 <221> variation
 <222> (15012)..(15013)
 <223> Position of polymorphism (b). These bases (AT) would be deleted in polymorphic variant (b).

<220>
 <221> variation
 <222> (16359)..(16359)
 <223> Position of polymorphism (c). A polymorphic variant has C instead of wild-type A at this position. SEQ ID NO: 19 shows the variant base.

<220>
 <221> variation
 <222> (33392)..(33392)
 <223> Position of polymorphic variant (d). This variant has G instead of wild-type A at this position. SEQ ID NO: 19 depicts the variant residue.

<220>
 <221> variation
 <222> (47315)..(47315)
 <223> Position of polymorphism (d). Variant (d) has G instead of wild-type A. SEQ ID NO: 19 depicts variant residue.

<220>
 <221> variation
 <222> (49053)..(49053)
 <223> Position of polymorphism (f). The wild-type would have C between these two positions. SEQ ID NO: 19 depicts variant having deletion of this C.

<400> 19
 gaattcaaaa aaaaattgaa agcctctggt tttccctttt gggcaaaacg tctagtcttg 60
 atgccctgaa aaatctctgc tataaaagac ctctaaggta taaaataaaa taaaatcca 120
 catcctttta agttcataat gacctcgcaa gagtgtagga gaaatcccag gggacaaaac 180
 aaaagggggc acacacatcg tggaaaggcg gtgcaaggaa cgacggctct gggggaacct 240
 ggtaatttcc ctacaccttg tgctgcggtt tcagtagccc caaaaggcag aagacaacat 300
 ggaggctctt ggaagggaag agtctcccag gaccttctca tgcagccaga aactccaaga 360
 gccatgctga gtgaaaggac aaacacacaa agtctctgcc cttcaaaggg agagaagggtg 420
 acttcaatat ctaggcacaa aggttggaag tcagcaaaca aaccaacaga tgatgactca 480
 gccatacagc tccacagcca gatgctggaa ctatcagacg ctgagccctt ctctcaaggt 540
 ccttttttaag gggaaacgcaa agttaaagaa cgaccaagtt aaatctattc cagaaatgta 600
 aattttgttt aacattgaaa aatcaattaa tatagttagc cctacttata aatcaaacta 660
 gaaaggcgta agatcacctc agtaggcact aaaaaatatt tgattaattt ttatatccat 720
 tcagcttaaa ttcattggca taatgggcta gaggagaact tctttaaact gaaaaaaatt 780
 gaacctacca aaatcttagc acaaacatgg taccacatgg tagaatctgg aacattccct 840

283148US0PCT.ST25.txt

ttcaaaaagg attaaaacaa ggttgctttt acagcataca ttggtggctc tagccagttc	900
aataagatga gaaaatctgt aagcgacaca tgaaatggta ttatttgtgt atttataaaa	960
tatttcctc taaacatctt taaagcatta aaattaatat gagggtttaa caaaatgatc	1020
agatataaga taaattaaaa attgatttta tttctctacc caagcaacaa agagaaaatg	1080
tagtttttaa aaatggatac tggccgggcg cgggtggctc cacctgtaat cccagcactt	1140
tgggaggccg aggcgggcg atcacgaggt caggagatcg agaacatcct ggctaacgcg	1200
gtgaaacccc gtctctacta ctaaaaatac aaaaattagc cgggcgtggt ggcaggtgcc	1260
tgcagtccca gctactcggg aggctgaggc aggagaatgg cgtgaacccg ggaggcggag	1320
cttgacagtga gccaagatcg tgccactgca ctccagcctg ggcgacagag cgagactccg	1380
tttctaaaaa aaaaaaaaaa aaaaaggata ctttttaca gagtaacaaa atatataagg	1440
tgctaggaat aaatctaaca aaatatatta aagatctcta tggggaaaat tataaaacgt	1500
tataaaaaga cattttacaa ttccctaaag aaatagggaa acgtgccaca ttcctggcta	1560
ggagaactca gtaccttaaa gatgtccaat ctttctaatt ttatctcagt cctaacaagg	1620
tttattaaac ttgtcaagct gatgctaaat cataaggaaa agagttacaa atatccaaga	1680
cattcctgaa ggaaagtga gaagtaggtg aaggaaatgg tctaccagaa agtgagattt	1740
gttaataaaa tatagtaatt aagacagtgt ggtaatagca taagaagaag caaaaagaac	1800
atcggggaaa agaacagagg gcacagaggc tgactcatgc aaacctagag acttgccgta	1860
tctgagaagc actattcaga ccagtgggaa aaagtcaa atttgaaaca cgcctcgga	1920
acaatttaaa aaaaaactga aattgagcca ctatcagaca ccatgcacaa acatataatg	1980
cagggtgaatt aaagctaaaa aaagagagag agagaaagga aatacaggag taagtacttg	2040
aaaatttggc gatagagaaa aaaattaaaa caaaatgaaa aaggcacaaa actcaaaagg	2100
taaacttgat aaattttact cagttaaaat ttaaaattga tgttcattca aaagaaaaca	2160
taaagaaaat aaaaagcaaa taataaattt gacaaatcga tttttataaa agattaacac	2220
atggcctcta taaacaatga ctacaatcca atgggaaaaa ttgtaaaaga caatgacacc	2280
ttattggtgg aattttcaat ttgtacactt actttcgaaa atgattttta ttacacatta	2340
aaattaaagg tggacagaat taacactggc aattctattc ttctgtctaa aacagtgtgc	2400
ctaagaatat atatgtatgc ataaataatt gttaaaaggc actttaattg ttaaaagggtg	2460
tgtaattgtg aaacatactt tttaaaaaaa caagtcatgt tcaaatagaa attttaaaaa	2520
caactacaaa taacctaaat ttctattggc agaagtgaaa aacagttata tatttattac	2580
aactgaaaaa gatgaactac gacttcagaa atcgtaatac atttctctca aaaacataac	2640
gatgaacagg gacagagaga agacttatgg ccgccagggg tgaaggagg ggaactcaaa	2700
agtgactgct gtgggcacaa agtttcttgg ggtttctttt tggggtgatg aagatattcc	2760
agacttagag tgtgatgaca atttcacagc cttgtgatta tactaaaaaa tattaagttg	2820
tacattttta tggatatctaa gttacatctc aataataaaa ccatactgtt gagcaagttg	2880

283148US0PCT.ST25.txt

cagaagaata ttaataggat gataatattt gtataatgct taaattttaag tacaatgcaa	2940
aatgttttaca tacatatcca gtaaaatcat gaagacagcc aaaggacaat aatcacaaaa	3000
tttcagattg tgataaggct agtcagtgga cttcaaaata aatattggta atgtcctact	3060
ttttaggctt gactatgcca attttaaagt attattattt ataacttaca tatatgttaa	3120
atatcttttt gtatgtgtgt actatgttgc acaatataaa aatccaataa gtaaaaaata	3180
aaagtcttta aggtaaataa actgaatttc atcaaaaatt tgagagaaaa attggaagaa	3240
gagtaacaat ggatagggtg gaaaaataaa agataataaa tacctagtat attgctgaac	3300
caataaggaa ttcagaaata ttacggcaaa aatattttatg aggggtggaa agaagtgaat	3360
aagcttgaga gatactaaga atagaaaatt gacagaattt ggcaatggat tgggattcgg	3420
ggtgaaaact attgcaagaa tgatttccag gtttccagct gcacaactgg atagatggtg	3480
acctacttat caaggtaaga atcacctacc aaataatcat tagcaagggc agttaaattt	3540
ttatttgcaa gaaattagaa acaccaaacc gaagcaagta ttaagagggtg gttaaataaa	3600
tcattgtaca atggggtaga agaattgtat gcagccatta aaaatcatgt ttaagagat	3660
tgatgacatc tcttagaatg acatctctta gaatatgtgt ggcatttcaa aatgcaatta	3720
aaatcaccat gagcctcttc aagtccatct ctttaggact ccgatgttac atggaaggct	3780
gcaaaatcac acattgtatc atgcatgtgc tatgaggtag tctgggaaac tgatgaggaa	3840
gagaaatggt cctgattgtt tgttatgaaa taattatgtg gctgggggta aaagcctctt	3900
aggacaatca agtggcagct ttcactcaga cacttttaat gcattggcaa aatggcttct	3960
tttcaagtgc accccagggtg attcagggtg aaagctcaaa acagcacctt tttgccccaa	4020
gctaccttca gaaagaaggg ttgtcaattt gctagaaata atttttgtaa tcttctaggg	4080
ttataggcac aacatgggta ttctctttcc ctttaactttg gaatgctgga gttttgcatg	4140
tctatccctt ctctctcttt tttccacttt ctctgttact atcttccact ttctttctgt	4200
ttcatctttc gacacaagaa tgtccttttg aataaatatt atgtttttat ttgtttattt	4260
ataaaaggac agtagttatg gtattgttac tttaaccttc tctgtgtaga cataatgtct	4320
taatcatggc agttctatta tagtttttag gcagcattta cataacatga aattattcat	4380
tttaaaatgt gccattcaat gacaattagt acttttctagt ggtagatttt taatacattt	4440
atgtttaata tacatcactg aataaataag attgcaatga attaaatagg cctccaaaca	4500
acaaaatgca aattgaaaac attttctacc ttgccagtat gcatattgtt tcattcgtta	4560
aaggggaaatc cctgcttaga tataaacttc cttaaattaat ataaatatcc ttacacagtt	4620
aaatatgagt ttaggaagca agtgtttagg tagcaaggga taattcattt ccattatatg	4680
ccattagctc ttggaaggta ggcttccaat tatgaaaaac actgatttca ttgaaatgag	4740
ggttttctac tccctaaaga gaaagccatg ggaataggta gttttattca agtgaccaag	4800
tatggcaaga atcacctctc acctccctct ctgcattaac cccacagatg caaacagact	4860
tctctctagt tctaaagatt acacacttca tcttaatact gttgggaaat gaagaataag	4920

283148US0PCT.ST25.txt

aagaaacaaa	ttctagatta	ctacagtagc	acatctataa	gatgagactt	tacagattaa	4980
tcctctttgc	tgcaaaacta	gatttttttt	tcctctaata	actttcatct	ttctttgatt	5040
ggctttacct	gtttttttcc	ctctaacaat	ggtgaagaga	caaattgtac	tcttctggaa	5100
ccaaatcttg	aaatatatta	taaataccta	atttatctaa	atcatgtatt	tacacatatt	5160
tgttcagaat	acgtaatatg	gcataatttg	tcatttttta	gtcataaacc	tcctctgact	5220
ccttcacaaa	gggctcaggt	ttccttgcc	tggccaactc	ccttcaccaa	gaagactcta	5280
ggattggtac	ttccagaaac	ctggaggcca	actgggaccc	ctcttcccct	cttcctatac	5340
tcccttttcc	acctcccctg	tccaacatg	ctttgctctt	ctctattcta	ggtcattcat	5400
tccatcacia	cctctggaat	ttccacatca	ttacaacaca	agcttctttt	atcctcagat	5460
accagctctt	cactgcttga	acagagagga	tccgtagggc	ccccatcttt	gtggcctgta	5520
aaccaatctg	atacagaaca	caaacgatca	tagccaatat	gtactggctg	tgtctactgt	5580
gccagtcagg	agctttcaaa	ggtctttaat	gtgttaattt	atgtgaactt	ttccgtagcc	5640
acacaaaaag	tatttaatac	gaaaaaaatt	acataaaatt	gtaatctaaa	aacataaaag	5700
aacaatcctg	aaaagagtgt	gttgagcact	tacgatgcag	caggttcttt	gagaaagcct	5760
atcaagcata	gagagtgaac	caaacacac	ccagggcagg	ttccagaggc	taccaggaat	5820
gctccttgag	gaggtgcagt	ggagaaagga	cagcctgcag	gactgaggac	cagaagaaag	5880
gccagacccc	agtctccgtc	tctattccaa	gatgatgcc	acatcatttg	gtctcacacg	5940
tctagtggca	tctaacagtc	ctctaattga	gaaatctctg	gaaaggctctg	agctgaagtc	6000
aatggaaggg	aggtgttaaa	tgtaaattgt	tcgcattcat	tcccagttgc	tacatgaatg	6060
cattctaaca	agctgctaga	aaggagtc	aggaaaggaa	agattctgat	ccatgttcca	6120
aaaatgcaaa	gctgaagaga	tggtgcaaga	tgacattcaa	tttgaggaaa	agcccataat	6180
ggggcttctt	cagctttgca	agaaaaccat	gagattaaga	ggaatgatgg	agaccaccca	6240
tccggacatg	atggaagccc	ctaggttttc	atacctgggc	tcccaggggc	tttgactcaa	6300
gcagaaaaac	ctggggacac	ccagatctct	gcctctccct	gtaggcacca	cagggcccct	6360
ggctggagcc	tctttgctca	ctgatgacag	ctattgctgc	actcaccatg	gatgccaatg	6420
caagcagcac	agaaaagggg	tgctgcagtg	ctcctctcag	atgccaggct	acacttccag	6480
gctacagctg	aacttgcatc	ttcacagaca	ccattaaaac	tcaacctacc	ggccgggcac	6540
gatggcttac	acctgcaatc	ccaggacttt	gggaggctga	ggcagggtga	ttgcttgagg	6600
tcaggagttt	gagaccaact	cagccaacat	ggtgaaaccc	catctctaca	aaaaatacaa	6660
taaagattag	ctgggtgtgg	tggtgcacgc	ctatagtcct	agctactcag	gggctgaggc	6720
aggagaattg	cttgaacctg	ggaggcagag	gttgacagtga	gccgagattg	tgccactgca	6780
ctccagcctg	ggtgacagag	taagactcag	tctcaaaaca	aaacgaaaca	aacaactcaa	6840
cctaccatgc	gtcatatttc	tgcccacagt	agaagccctt	agagctatcc	actttctccc	6900
atgggggttat	cctaactgat	gttttccttt	caccagcccc	tttttacttc	ctttacctcc	6960

283148US0PCT.ST25.txt

caaacacttc cagtgtcttc tctcaagtgt cctttccatt gcaacactac tcccatgctt	7020
tctgagtctc agccttttcct gaaagctggc tgcattcctgg ggacactgac tcttctgctc	7080
ccggaggata atgcttattt tgcccctgga ttttccttcg gattcttctc gttctccaat	7140
gtttctgcta aatagcactt tgaattcata atgcaaagac ttcatttatt gaaagtcat	7200
tctcatggat cctgccccat ctgtcatgcc ttctccaggc tgcattcccc tcttcctcac	7260
accaggaaac cacgcactag atcaacatgg ctcccatgtc accagggtccc ctgcctggac	7320
cactcatcct cgttaccctt ggctggccag tccctgctgc aatgctctct gctgtccact	7380
cccgtgggtt ttcagcaagc tagtctgtgc cctttcattg cgttttctct gctagattac	7440
ctttctgtcc ctgacttcta aatgttaaga gtagttgggt ccaatcccag gtgctccaat	7500
ctcatctctc acagtcactt tcggcaaatc ctagggactt aaatgcagct agatgccccat	7560
gaatcccaaa ttaatatctc cattccaagc ctctccaaca gcctatccaa catcttctct	7620
cagatttcta ttatgtccaa cctcgtgtgt ccaaaataaa tctcttaact ctccctcccc	7680
catctcagga gaagaccttg tcatcaccca gcgacagtgc aggacactga aggtcctctc	7740
ttcctccccct acccccaaat catcaccaag tgctactgag ccttttagaaa ttaaagtcaa	7800
ttattttttac actgttaa atttgataca tacttgtgct acaaaattcg gaaagtccga	7860
aaagtaacac gatgaaacgt gagtcctctc cccaaccctg cccttcccca ggaagccagg	7920
ttggctcctc gcattgccat atttgtgagg tcacttgacg taggtatctg tgcacatacc	7980
cacacgtttt aaaaataaaa aaaatggttg tactatacta tacacactgt tctgaagctt	8040
gttttcccac ctacattat acagtcaaat attattctgg gtcagtataa acagagctgc	8100
ctcgtttgtg ttacagttgc atagggttca aacctttgcc attacaagac aatactgtaa	8160
tcatgtgtat aagtttctat tcctaacaat aatgcaatga acacccttat aaagaagtca	8220
tttcccatcc acatgagtaa ttcttgga aaatagattgt ggtcaaggaa catgagacat	8280
ttgtcgtttt gacagataca gccaaattgt atagatgctg ttcagtctgt accaccagca	8340
gccttgggtg ggaacctgtt tccaacatt ctggcaaaca caccgtgtta tcaaacttct	8400
tgatctgtgc caatctgata ggtgaactat tctaccacat tgtggtttta atttgcattc	8460
atcttattac aagaaagggt aagcaaactt tcacacattt aagcctttct tgcattaatt	8520
ttcattattg tgaaatttgt attcagggtca ttcaccaatt ttagaatgt ttttagtttc	8580
ttatttttta cagcgtctt ttaaagtatt aaataagcat cattagcact tcatctatga	8640
tactggctgc aatttccttc cagcttctac ttttaactttg cttttactgt ttttgtttg	8700
tttttactgt attcccccta cagaatccta ttttagaaag tcaagtttat caatatttct	8760
ttacttttct acttggtttt atggtttcat gttttaatat ttaatttttt gcttcacctg	8820
acattttagt gaaaggacac aggcattctaa tttttatgtg tctacaggta tattttctgg	8880
ttctgccaac ccctttact gaataatctc ttatctcca atgaaataaa ctgccagctt	8940
tataatatgc tttgtccctt gtatctagat ttagttctgt accaaataca actgacctt	9000

283148US0PCT.ST25.txt

tgatttggct atgttcatgt aggttctcca cctcccactg atttgtgagc ttcctaagca	9060
cactgtcagg gtttgagatt ttactccctt tcccttagaa agtaatgtta gcccgtcacc	9120
gttaggtgga tgctggcaga ggatgtaagc ctttccggtc agagactcat ggcacagaaa	9180
gtggcatgac ttgcctctat tcctcttgct tcccgggcag catggggcaa cagggcgggg	9240
cctgttggat gccacgcctg cagtgggctg tgtttcggct gacacaaagg acttgggtaa	9300
tccaccattt ttgtagcagg aaataagcag gccgcactt tgttctggaa tgcgacctca	9360
cctcttagtg tggtttgctg caagcacaac ccttaaaaaa ggcttgagta aagcaaagcc	9420
agggctcttg gtatttcact gaccactaa caggcgtggg agcaggagag acgcacagag	9480
gagggccttt cccagcagac acagctgagt ggttgtggtc ggtttgcatt ttgatgtcca	9540
caggatcagt gtctagtaca aagtaggtgc ttaagaaacg ttgataaatt tgaccgaatc	9600
caacatttca ctggggttaga atgaatttac caccacacag cataactaca tcactacatc	9660
tattgagtat tattctctac tacacagatg ggtcctcaca ctatggaccc aggcagcgtc	9720
aagagtccaa aacggtacct tctaaaggaa gcaacctaaa aataaaagaa atagaattac	9780
tgtttgactc attaaaacta atttctgtga aatgaaattt agaaacttcc tcagctcaga	9840
gataaaagtc actttctcta ctctacacca ttagtaagaa gaaggtaaaa ttgcagcatt	9900
ggacattaaa atcaagcact aagaaagttt ttttaaaaaa gccagatgat ggttataata	9960
tatggcaatt tttatcttca aattatgtgt ggcaatattg taacaaaaga cacaagaaaa	10020
aaatatttga ggaaagaaat agttgaggaa aatagtgcct tattacttag acagaaagct	10080
aatggggcaa agacctatgt tctgggtaat tcttagtata cgtttgaggc ttaacaaata	10140
tctagcacat ttttagtaac aatgtttgct gatttttata ttttgaattg aaaatgccat	10200
aatgcacct tcacgataaa gggtagagcc acttttgtat tattctgtaa ctaaaacatg	10260
atgatattta aaacaacaaa gcaaaatgat gatctagata ttaatttcct ttaaagttta	10320
tattgtgaga gacaaggggtg ccattttgaa attgtggtgt acttttagtg tgaagaaact	10380
ttaaaactag gtacaagttt atcaaaataa aacaggtaag tatcaagtct caaaaatatg	10440
tatttcattt tctgtgtgct tttagtagca gtgagaatca tgttttttaa ttctcacttt	10500
tactacctaa aaggaaattt ttgtagtata aaatataatt ttaagatgtt ttcaatatat	10560
aattcctatt ttttttctct tttagcaaga caaccttggg ctgacattcg aaatttttac	10620
taaagaacca gcaagtacta aaatgcaggc tgatgtttac actttcagta gtaattctta	10680
gaatgtgttt atctgaactg aaatctctac ttaacagtca gcgggaaatg gcaataaatg	10740
gcatctgccc taaatttcac aagttgttgc tttatttatt ttcttgtgaa cctcattaat	10800
ccatactccc tcaagtcact ttagtttagt taatattatt tgtgtgacaa aagtgttttg	10860
aacaaggaaa aatggaaaat tcatgtataa atagctaatac attggtctta aacatagcat	10920
atacacggag gctcagagga caggttggta aagattactc aaaaggagaa ttaaaagacc	10980
gctcaattct cagttgtgtc ataatcgat ctttatggta gctacatatt ataaaatgtt	11040

283148US0PCT.ST25.txt

ttttatttat	ccctcatact	agtaagcgtc	aaattcatga	tctttgtgag	tatactgaca	11100
aactactctc	acaagctatt	actattattg	atattttata	tatcaacttt	ttttcatcca	11160
taaaagtacc	tcaacgacat	gttcagtagc	aaataagttt	tcagatccct	tcactctatt	11220
gaataacagc	tctgaacact	ttgactaact	tgaatatctt	ctatttgcaa	tgcctaaaga	11280
ttgagaataa	agcagttaag	aaggaagggt	taatttgtaa	atttagaatt	gccaaattag	11340
taatgagtat	gtaagttcaa	ataattttac	gcaatcaaaa	agatagtgac	attcgatgct	11400
tattgccatt	tggtatttat	gtttttaaaa	tacatttttg	ttatgtgtca	ttttcagagt	11460
atgttttctt	tcctatctta	ctttttccaa	tttgcttttc	aatctttcaa	gatgactttg	11520
gcttatccta	aaaagaatgt	gagacttaaa	gggtcaatgta	ggggagaaat	acaattaaaa	11580
aacacttggc	ttgccagata	agcaaactct	gattataact	tatttttgat	taggttaaaca	11640
ttctaaaata	atactgaatt	tagattcttg	tttttatttt	gttggttagt	attctaaact	11700
cttaagtggg	cagtgatata	catttctatt	aaactgtata	agtaactatg	caaattggga	11760
tataaattgc	attagaaaat	atgaacatat	ttgcttgata	cttaattcaa	ccataaaaaa	11820
taaagtattg	cacttattaa	tgttctcttc	cctcatttgt	catctgatat	tgctcttagt	11880
cactcactat	caaaatttct	ttgtttaatc	ttacttctat	taatttcctt	aaagtttcat	11940
gcaaagcaaa	tttatgtcag	gttgtaagca	cctttctctc	aaagcaacca	ccactgtatt	12000
tgtgacaact	catgccagaa	ccctgaatct	gccttgggaa	gaaacattgc	cagttgggtg	12060
cagcattcac	aagagagggg	cacatttcct	ctgttatctt	taggttgaat	ttcaaaacaa	12120
ctctagaaaa	cagactcaga	gggctagcct	tggaacagc	atgcaaacaa	ctgcagaaaa	12180
gcggaagggt	tctgactata	atacagttct	accaaacagc	agagcatgtg	gcaaaaaagc	12240
caggctggct	cccttcctcc	tgtttacctc	ctgagcagtg	tatgaaacag	ggtgagcttg	12300
ctcctggaat	caataggtga	atcaatgaac	acaggctggg	cttccccact	tcataacatc	12360
tgtactctgt	acaaggacac	tccggggccac	cctcgtctgag	catcctccc	ccctctccca	12420
gaaaatatag	ctgtgtcatc	ttacagacat	ttttaatgtc	atctgcttat	gatgtgcaga	12480
ttgagaagca	gacaattttg	ttctgctctg	gcatgaaaaa	aaaaaaacgt	tttaatcggc	12540
agctaggata	gcaacatgaa	gcaacacaca	ggacatcaat	ttcatcatgc	aaaataccgg	12600
tgtattatat	tacagggggc	aagcattcca	aggaaaagta	atgatctaag	aagatgctct	12660
tgcattttaa	aaatatctac	tagtggtata	cagtcattaa	tgtataattt	ccatttcaat	12720
aataggaagc	cttctgggaa	aaaaagcttg	tggtgcttct	taaatctaga	aacacattct	12780
caaaattcaa	acagaacaaa	atccagaggc	atattaataa	atattttcaa	ctcctaaccg	12840
cagtcacttt	ttaattgggc	atttatgtat	ttcttcaaca	taattatatt	tataatgaaa	12900
aatgtttgag	aatactggat	tagctgcatt	tgtaactaca	acatattttt	ctaaacagta	12960
ttaattcaat	tgataagact	ttaaaaaagt	tatagtagtt	tgttctatca	tatatgcaca	13020
ttaaataatc	atttatttta	gaaaatcctc	cctcataaaa	tgaacattta	ggaaagagac	13080

283148US0PCT.ST25.txt

tgatccatat	ttttaacaag	aataataaac	acacaagtag	aaagccttta	taattttccaa	13140
ggggctgac	aattccatta	acaaatcctg	atacttttaa	tgtttgcaat	gccatacata	13200
gcaaagtac	caaacagcag	ttatatcttc	tcatgtaagt	cattctgttg	cccatacaca	13260
gagttagcat	gttacaaaac	tcttgtagaa	tttcagttga	aacattagca	aataaatttg	13320
ctggtaaagt	gcaagaagtt	tccttataaa	ccctagatga	ggaaaagtct	gtccacagtt	13380
cgttcacag	aggaatggaa	tttctcaaat	gagctactga	acaacattat	ctaataaaat	13440
gaaatataat	gaaatggtgc	cactcatttt	aaagattaaa	tatatccttt	gacagaaacc	13500
tgtgaagtta	aaaatctttc	cctcttaaaa	taccttttaa	attaaagcta	ttctaactag	13560
ttatatagca	ttccacttaa	tctgcttagt	tttttagattg	agctcaccta	aatacaaaat	13620
actgtcaaac	acctacaggg	caaagaacta	aaaaaagaaa	gaaaatttca	caagcaataa	13680
aatgctattc	acctttctcc	tcccatactt	gcctttccta	tatgaaacaa	agaaaataat	13740
tagtgatggt	cattattggt	agtgtacta	gtatttgat	tgtgaacctg	taacatattt	13800
ttaaatctct	acacttttat	ataattgatt	ctttcttgaa	aagtaattat	ttcagaagac	13860
ttctaataaa	ataatcatta	ttgtatatga	ttctgttaaa	aatagaaaaa	acaaacaaac	13920
agaaaaaact	ccctgctgaa	agatatggcc	attttattag	ctgtgaaagg	aaagaaagct	13980
tccaaggaaa	gatcttggac	catgagaaaa	aatttcaacc	aggctgtttg	ctggcaagag	14040
gccatgccag	ccccagccag	tcctgcgtgc	agagcatggt	ggcagatggt	attagctgac	14100
ttttgttgaa	aaagtatgga	agaacagttg	gaaaatcaca	agggtgtagaa	caagctttaa	14160
ataaataaat	agcttatctg	gcaatagaaa	gggggaaaga	aaacaagttc	ctcggttgag	14220
gaagaggact	gggatacttc	taattacaga	gtttcttact	gttggtttgt	ttcatgggct	14280
gactctcaat	gagaattgaa	attgtatcat	ccacatttgt	atttggaggt	tctaactgca	14340
gaattgcaat	taattttccag	tttgctgtag	gaaatttata	ctctctatga	cagaatacca	14400
cggacatagg	tgataattct	ttaacctttc	ctcttttgtc	cccagtctgg	taactgaggc	14460
agtacatggg	gaaagtgcta	actgccaatc	cagagctgct	gacaccttaa	aaacactggc	14520
ctttaacact	aggatggccc	caagaaacaa	gcaaacagga	aaagatgaca	cctgctagcg	14580
tgtgacaggc	acagcaagta	aatgttcaat	acggatatga	aaatgcaact	gcataataaa	14640
agtcaacatg	aaaaagaaaa	agattgcaaa	atatactttc	tcagaagaaa	ccatcacatg	14700
atgtttaaaa	gtggtggttc	cttttagcatt	gtctactgat	ggctggcaac	atacaggaac	14760
atagagggtg	cccatttaca	tcctcataaa	agtgggatgt	aagtgatcac	aaagccaata	14820
aaactacacc	acattttctt	caagcaccaa	gataagaatc	ccttcattctt	tcctgactag	14880
acatatgtct	aggcaacatt	tgtgaacgta	agaaaaggta	acaagatcta	aaaagaacgc	14940
cgaagcataa	tgttcataaa	ggtggcgccc	ccaacacaca	caatcataca	cacataccta	15000
tacacacaca	atcacacaat	ctattatata	aacaaacacg	cacacatgca	cacatagggtg	15060
cacagactta	aatggcatt	tcttgaggta	ttttttttta	aggtatgatt	taaaaatgga	15120

283148US0PCT.ST25.txt

agatcaactt	taaacacacc	tttttgaggc	acactgggtg	atatttgcca	caatgattat	15180
tcttcccaaa	ttcaggctac	tgatcaataa	tcctaactgt	atacatgcta	aaaataaaaa	15240
cgctataatc	tttgtactag	tcagggtctt	cttggcacat	aaaattagcc	aacacaatct	15300
tcaagtcaca	tgttacaaaa	acatattaaa	atatatatca	ctctttcaaa	aattacactt	15360
attttctctt	agattaagat	tttattactt	ttaagatact	tctatgaatt	atagaggaca	15420
tccaaaagta	aacatccggg	acttaaaaac	aataaccaat	attataagat	aaattattgc	15480
tgtaaattat	ttcatgaagg	cacaattaaa	aaaaaaataa	aataaacagc	caaagcctgt	15540
tttgttgagt	tttcttcgtt	gcgcaggatc	gggagcttgc	tgggatctga	actcaggaag	15600
ccctcacctc	accctgactt	ggtcattgag	gagacgtaat	tgcaggggtg	cttatttgct	15660
ataggctttg	aaagtcacaa	aagcccagta	gatacatgaa	ttcgaagcag	ttctccaagg	15720
gcatctccaa	cttggcagtc	accgcccgc	ccgcgcacac	aggtagtgga	cgcccgccca	15780
cctgcccgtc	tgctgggctc	agggcgctcc	tggggtgggg	agggcgctcc	tgtgggggga	15840
aaaggggctc	tcctgcctcg	gagggggaaa	ggacgcccct	gtggaaggaa	gggggggctc	15900
ttgaagcggg	gtggtgagag	gacgcttccg	aggaaggaag	ggggtgctcc	tgcagcgggtg	15960
gggggagagg	acgcccctgc	ggaaggaagg	cggcgctcct	gcgggggctg	gagagacgcc	16020
cgcgcggtct	cccggctcag	ggaccgctgg	ctcgcgggtc	cgccctctcc	ccggcgctat	16080
ggaaaccgca	ctttctccgc	ctgccgtccc	cgatctcttt	ctcctattac	ctcccaaacg	16140
cgatttcaac	ttcccgacaa	gctgacaagt	gaatggcgca	gaggacgccc	cgtaaagcgc	16200
ccgcgagcgg	gtgggacaca	ggcgccccct	ccgcgccccct	ctgtcctcca	cggaagggcg	16260
cgcgccgctc	tcgatctgga	gcgcgggtgt	cgcgaaacctg	cggccgcggg	ccctggaacc	16320
tccccgcgtt	tcgcggctgc	ggggggacgg	agatgcggcc	gggagacggg	gacgggaaac	16380
gggggacggg	gatggggcgc	gcccaccccc	agcgcgggag	cggccgccct	cgcccaaat	16440
ggggaccccc	cgccccgaga	gcacggcccc	gctcgccgcc	catgcttcca	ctgcaaggcc	16500
gcagcccccg	ccgccgatcc	cgatcccccg	ccccgcccag	ccgcggcccc	gcccggcgcc	16560
ccctcccccg	cggaagctca	agcccaatta	attgagtccg	aggcgggagg	gaagggccct	16620
gcgcgcccgtg	gcccgcctcg	cccctcttcc	gcgccccttt	tcccgccttg	ggtggcatct	16680
cctccgcccg	catccacaac	aagccgctga	ttaatgaggc	cggggccgcc	ccacccccgc	16740
cggccggggc	ggggccttcg	cgggaggggg	aggggacggc	gggaaacgcg	gcccggggag	16800
aaaggggggc	ggggcggggg	cgcgcgggcc	gccccgcgca	gcgcccgcgc	gattggccga	16860
gcgcgcccgtc	cgtcgggggg	cgcggcgcca	atgcgaggca	gcggggcggg	gcggccgcgc	16920
tgtgtgtgcc	tgcgtaacgc	cgagtcacat	gttggtttgc	tcttcttagt	tcagtcactc	16980
ggtgcgcgat	gtgttactca	ctgtgcggcg	gggaccgcga	cgagccccgg	tcgccgttgg	17040
cagcagcagc	agcaacacca	gcagcagcag	cagccccggc	ggcgggcgcg	accccgagcg	17100
cccggggcga	ccccggcttc	ccggagcgcg	acgcggcggc	agcagccccg	gtgcggccgc	17160

283148US0PCT.ST25.txt

gcgcgcctta	ggctcggccc	cgcggtctcg	ggaccccgac	tcccggccca	gcgagcgcg	17220
cccccggcgc	cgcccgagag	cccaggagg	cagcgccgc	aggcagccgg	ggaggggggc	17280
ggccaccgcc	cgcgccgggc	atcctcagga	gccccagagc	gcggagggcg	cgcgccgcc	17340
gagcgggtgct	ggcccccgcg	ggcctccccg	gaccttcccc	accgcctggg	cccaggggac	17400
gcgtgatcgg	gcgggcggcc	gggcgcaagg	gtgggaggga	gccgcccccg	cccgcgcccc	17460
ctccgcccct	cgcccccaacc	cctgggcgc	gggcccgggc	cgcgcgccct	gaagcgccc	17520
cgatggcgag	cccgcgcgg	cacgggccgc	ccgggccggc	gagcggagac	ggcccccaacc	17580
tcaacaacaa	caacaacaac	aacaaccaca	gcgtgcgcaa	gtgcggctac	ctgcgcaagc	17640
agaagcatgg	ccacaagcgc	ttcttcgtgc	tgcgcgacc	cggcgcgggc	ggcgacgagg	17700
cgacggcggg	cggggggtcg	gcgccgcaac	cgccgcggct	cgagtactac	gagagcgaga	17760
aaaagtggcg	gagcaaggca	ggcgcgccga	aacgggtgat	cgctctcgac	tgctgcctga	17820
acatcaacaa	gcgcgccgac	gccaagcaca	agtacctgat	cgccctctac	accaaggacg	17880
agtacttcgc	cgtggccgcc	gagaacgagc	aggagcagga	gggctggtag	cgcgcgctca	17940
ccgacctggt	cagcgagggc	cgcgcgccg	ccggagacgc	gccccccgcc	gccgcgccc	18000
ccgcgtcctg	cagcgccctc	ctgcccggcg	ccctgggcgg	ctctgccggc	gccgcccggg	18060
ccgaggacag	ctacgggctg	gtggctccc	ccacggccgc	ctaccgtgag	gtgtggcagg	18120
tgaacctgaa	gccaaggggt	ctggggccaga	gcaagaacct	gacgggggtg	taccgtctgt	18180
gcctgtctgc	gcgcaccatc	ggcttcgtga	agctcaactg	cgagcagccg	tcggtgacgc	18240
tgcagctcat	gaacatccgc	cgctgcggcc	actcggacag	cttcttcttc	atcgaggtgg	18300
gccgctcggc	cgtcacaggc	cccggcgagc	tgtggatgca	ggcggacgac	tcggtggtgg	18360
cgcagaacat	ccacgagacc	atcctggagg	ccatgaaggc	gctcaaggag	ctcttcgagt	18420
tccggccgcg	cagtaagagc	caatcgctcg	ggtcgtcggc	cacgcacccc	atcagcgtcc	18480
ccggcgcgcg	ccgccaccac	cacctggtca	acctgcccc	cagccagacg	ggcctggtgc	18540
gccgctcgcg	caccgacagc	ctggccgcca	ccccgcggc	ggccaagtgc	agctcgtgcc	18600
gggtgcgcac	cgccagcgag	ggcgacggcg	gcgcggcggc	gggagcggcg	gccgcgggcg	18660
ccaggccggt	gtcgggtggc	gggagcccc	tgagcccccg	gccggtgcgc	gcgcccctga	18720
gccgctcgca	caccctgagc	ggcggtcg	gcggcccgcg	gagcaagggt	gcgctgctgc	18780
cggcaggggg	cgcgctgcaa	cacagccgct	ccatgtccat	gcccgtggcg	cactcgccgc	18840
ccgccgccac	cagccccggc	tccctgtcgt	ccagcagcgg	ccacggctcg	ggctcctacc	18900
cgccgccgcg	cggcccgcac	ccgcctctgc	cgcatccgct	gcaccacggc	cccggccagc	18960
ggccctccag	cggcagcgcc	tccgcctcg	gctccccag	cgaccccggc	ttcatgtccc	19020
tggacgagta	cggctccagc	ccaggcgacc	tgcgcgctt	ctgcagccac	cgaagcaaca	19080
cgcccgagtc	catcgcgagg	acgcccccg	cccagacgg	cggcgggcg	ggtgagttct	19140
acgggtacat	gaccatggac	aggccccctga	gccactgtgg	ccgctcctac	cgccgggtct	19200

283148US0PCT.ST25.txt

cgggggacgc	ggcccaggac	ctggaccgag	ggctgcgcaa	gaggacctac	tccctgacca	19260
cgccagcccc	gcagcggccg	gtgccccagc	cctcctctgc	ctcgctggat	gaatacaccc	19320
tgatgcgggc	caccttctcg	ggcagcgcg	gccgcctctg	cccgtcctgc	cccgcgtcct	19380
ctcccaaggt	ggcctaccac	ccctaccag	aggactacgg	agacatcgag	atcggtcccc	19440
acaggagctc	cagcagcaac	ctgggggag	acgacggcta	catgcccata	acgcccggcg	19500
cggccctcgc	gggcagtggg	agcggcagct	gcaggagcga	cgactacatg	cccatgagcc	19560
ccgccagcgt	gtccgcccc	aagcagatct	tgcagcccag	ggccgcccgc	gccgcccgcg	19620
ccgccgtgcc	ttctgcgggg	cctgcggggc	cagcaccac	ctctgcggcg	ggcaggacat	19680
tcccggcgag	cgggggaggc	tacaaggcca	gctcgcggcg	cgagagctcc	cccaggagaca	19740
gtgggtacat	gcgcatgtgg	tgcggttcca	agctgtccat	ggagcatgca	gatggcaagc	19800
tgctgcccc	cggggactac	ctcaacgtgt	ccccagcga	cgcggtcacc	acgggcaccc	19860
cggccgactt	cttctccgca	gccctgcacc	cggcggggga	gccgctcagg	ggcgttcccg	19920
gctgctgcta	cagctccttg	ccccgctcct	acaaggcccc	ctacacctgt	ggcggggaca	19980
gcgaccagta	cgtgctcatg	agctcccccg	tggggcgcat	cctggaggag	gagcgtctgg	20040
agcctcaggc	cacgccaggg	cccagccagg	cggccagcgc	cttcggggcc	ggccccacgc	20100
agccccctca	ccctgtagtg	ccttcgcccc	tgcggcctag	cggcgggccg	ccggagggct	20160
tcttgggcca	gcgcggccgg	gcggtgaggc	ccacgcgcct	gtccctggag	gggctgcccc	20220
gcctgcccag	catgcacgag	tacccactgc	caccggagcc	caagagcccc	ggcgagtaca	20280
tcaacatcga	ctttggcgag	cccggggccc	gcctgtcgcc	gcccgcgcct	cccctgctgg	20340
cgtcggcggc	ctcgtcctcc	tcgctcttgt	ccgccagcag	cccggcctcg	tcgctgggct	20400
caggcacccc	gggcaccagc	agcgacagcc	ggcagcggtc	tccgctctcc	gactacatga	20460
acctcgactt	cagctcccc	aagtctccta	agccggggcg	cccgagcggc	caccccgtag	20520
gtccttggga	cggcctcctg	tccccgagg	cctcctcccc	gtatccgccg	ttgccccgc	20580
gtccgtccgc	gtccccgtcg	tcgtctctgc	agccgcggcc	accgcccggc	gccccggggg	20640
agctgtaccg	cctgcccccc	gcctcggccg	ttgccaccgc	ccaggggccc	ggcgccgcct	20700
catcgttgtc	ctcggacacc	ggggacaatg	gtgactacac	cgagatggct	tttggtgtgg	20760
ccgccacccc	gccgcaacct	atcgcgggcc	ccccgaagcc	agaagctgcc	cgcggtggcca	20820
gccccgacgtc	gggcgtgaag	aggctgagcc	tcatggagca	ggtgtcggga	gtcgaggcct	20880
tcctgcaggc	cagccagccc	ccggaccccc	accgcggcgc	caaggctcat	cgcgagacc	20940
cgcagggggg	ccgccgccc	cacagtcccg	agaccttctc	ctccaccacg	acggtcaccc	21000
ccgtgtcccc	gtccttcgcc	cacaacccca	agcgccacaa	ctcggcctcc	gtggaaaatg	21060
tctctctcag	gaaaagcagc	gagggcgggc	tgggtgtcgg	ccctggaggg	ggcgacgagc	21120
cggccacctc	cccacgacag	ttgcagccgg	cggccccctt	ggcaccgcag	ggccggccgt	21180
ggacccccgg	tcagcccggg	ggcttggtcg	gttgctcctg	gagcgggtga	tcgcccatac	21240

283148US0PCT.ST25.txt

gcagagagac	ctctgccggc	ttccagaatg	gtctcaacta	catcgccatc	gacgtgaggg	21300
aggagcccgg	gctgccaccc	cagccgcagc	cgccgccgcc	gccgcttcct	cagccggggag	21360
acaagagctc	ctggggccgg	acccgaagcc	tcgggggtct	catcagcgct	gtgggcgtcg	21420
gcagcaccgg	cggcggtgc	ggggggccgg	gtcccgggtc	cctgccccct	gccaacacct	21480
acgccagcat	tgacttcttg	tcccaccact	tgaaggaggc	caccatcgtg	aaaggtgagg	21540
aggccctttg	ccttggcgtc	tggcggaag	gaggggcggg	gcgctgaggg	agcctcttgg	21600
gtttcactgc	tcccactttt	tggggacctt	gaccagaag	ccgacagcct	ggcactggct	21660
ccttgttttg	tttttctg	ggctgccctg	ttctcttcct	tcagagaact	tgccaggaac	21720
attcgtcttg	gagttgaatg	tgacgttttc	cgctggggag	ggagactgat	tttttgaggg	21780
cccacccatt	caccatttct	gtgcgtccca	cagccccctg	tcccttaaca	cagtggaaagt	21840
tctcccagac	cggccacact	agaggccgcg	gggcacccga	ctgtcttcat	ccggctgcgt	21900
gggtccgtcc	ttctggaagg	acctcgggtc	cggaccgctg	ccctcagccg	cagctttcac	21960
ctttccctgt	gttcctggag	ctgggctccg	cctgattctt	ggtgagcttg	aaggttcaga	22020
cctgaaagtc	atttaagaaa	tgagcatcca	ttttgatggc	tgctaatagc	gacagttaac	22080
catttccgtt	ttacacacaa	actgtgggag	cttttccatc	agaggcattg	tttttctcgg	22140
aaggggtgaa	acggtgaagg	tgacacacag	ctaatagcag	ggtgttcaac	ttgagcatat	22200
gtgggagtta	cctggagggt	ttgctgaaac	atggatctct	ggcctgtgtt	aaccccgag	22260
tttccgatgc	tgtagctttg	gggcgcggcc	caggctgtgc	atttctagt	agtctccgca	22320
taatgccgat	gctgctggcc	gggggaccac	cctgtgagga	ccctgcccc	ggtgagactc	22380
acctggggag	gattgaaaaa	ttacctgttg	ggcctcacc	cagaccggtt	gaagtgaac	22440
atgagatggc	taggaggcag	ggacggacat	ttttcagagt	tgtccagggt	atttgaatgt	22500
gcagccagga	tttacaatca	gtgctttgga	gaaaacaagg	gaaagacaaa	aaacacaggt	22560
cttctcaaga	acaattggat	aggaggggtc	ctggtattgt	tcttcccgtt	ctgatcaaat	22620
atccatgagg	agagagagct	gatgcagaat	gcagctgggt	gtgcattctg	gctgtctaaa	22680
ctttgaatgg	tgtttgggg	cggggagatg	agagggaaa	gtgaatgctc	aattcgggag	22740
actttattta	attttgtagc	tgttttcttt	gtaggggtcc	tagcaggata	gaggctttgt	22800
gggaacagt	aaacatatag	taaaatttgg	atgctggatt	agatgtgagc	ctaaggtgta	22860
aacagtcttc	aagggtcatg	agatgaggat	caagggtggc	tggagattca	cagccttttg	22920
ttcttaaata	gaccagttta	gtgctatcta	aatccagcat	ctgttttata	gtatacttag	22980
gactgtcgg	ccatgggatt	taaaattata	gctgtgggg	gaactccctg	ttattctagt	23040
gtaatagaga	aaagctat	cctttattaa	aaccgtatac	tagaagatga	agagtcacag	23100
agaattatca	ggagtgtggt	gcttcagcat	ccaattaaat	cattggaagt	cgccagaatg	23160
tatcctgtga	acagtgattc	tcagctgaag	gtcactttgg	ttggagttac	ttatacacta	23220
ttgctagtgt	gtcagaaagt	tgaaggatta	gctgccttat	aagacacaga	ccattataaa	23280

283148US0PCT.ST25.txt

cacagcagca	gcagcagcag	tataattgag	tggggaaaaa	cacacatatt	tatggtctgc	23340
acaaatgggt	atatgccaga	gtgaacatga	aagtaaatta	catcttacc	gaatctgatt	23400
ctaatacaga	aacagccaag	aacataacac	cttttcctgc	tttcagtgga	gctggtggga	23460
caaacctgga	ctgggtggag	ctggggcccc	agcagtgggc	tctgccatag	caggcgccat	23520
aagctggaat	ttgtgcctcc	aggcctggag	ggacgcaagg	cgtttctgat	gaagccgata	23580
cattcagaat	tggggtccaa	ataggaaata	atgccctttt	caggctagt	aaaatgttga	23640
actctaagag	ataagtttat	ttagagactg	gattgagctt	ttgtttaaga	tttcccacct	23700
gcgtaaaatt	cctttcagcc	cataggattc	ttgattctga	agtccagaca	gaagcctgtg	23760
ttctgtagct	gctgaacaaa	gatgagagat	cactggggct	gctgtttgtc	cgaagtttgt	23820
gtgggtatca	tgatgaaccc	tcttctaaga	agtaaaagga	tcttttaa	caaaatagac	23880
aactgcagtc	agtccaccat	gccaacgac	atttaaaaa	aaagaaatat	ctgccccatt	23940
gggtttctag	taaagtaagt	tgaacacaga	gaacagcaga	ataggaaagg	ctagtgtcac	24000
cttagtccac	gtagaccaa	agttgtggtc	cgttgagaca	gaaaggaagc	atttaggaac	24060
ttgggataaa	taccactttt	tatttaactc	atacatgcac	tagaaatttg	tttgggatgc	24120
tcataaatac	agagttcaca	gtagatcagt	gtcctttgag	gaaatgattt	gtagaaggcc	24180
gacttgcaaa	gcatttcttt	gaagatgaaa	tagagaaagc	acttcctggg	cggccccctg	24240
ccctgcctgg	ctcttagaag	tggcctgtgt	ttccaccctg	agctcttcct	gttctgcatg	24300
ggaagacctc	gttagtgatg	ctgatgcaga	ataatttttg	ggttatgtgg	gtaatgtttg	24360
gtatttgcat	aagtgatagc	agagaggtaa	ggttccagcc	atgtctggca	cttgtttaca	24420
atagaatcgt	gaatgggggt	gggctttcag	tgcaagagcc	agttaaaaag	tatatctcag	24480
gtacatctgt	ttttattagt	ccagagcaaa	ctcaaaatta	tgcatcttat	ttgagggcag	24540
gttaagggtta	cttatcatgt	gtttttgggtg	tgtgtgcatg	tggaaaactc	taaccaattt	24600
gttaggtttc	gttggtgttt	gggaattgga	aagacgctac	tgaatttcct	gtgctttaaa	24660
actgattttt	aaaattaact	ttatatgttt	ttgtgttagg	atggtagatt	gatgaatgcc	24720
ataaaatttg	ctgttttagt	attccttttt	agtgatttta	gggattttat	tctaaaattg	24780
gcgtatatat	atgtatgtat	gtataagaca	gattagatca	gaattactac	tgaaagtatc	24840
catattttaa	ttttgttgaa	taaaaggatt	atcattttctt	aaggggaaag	aatgataaga	24900
gatatgtttc	caaagggaca	ataaaatcac	gatttatgtt	gaaaagtgtt	gccttttgaa	24960
gtcgtaaagc	agagaatttt	cctaaattca	gaaatccagt	gaggtgattg	acaaccaca	25020
caagttttct	gtttgctgtg	gcgggtgcta	gtttgcttta	gttggctggc	tctggccata	25080
ataagacaat	agcgtgcact	gctgctgccc	tattcgagg	agcagacaac	taagggtgcta	25140
atgaaaacac	acaccggctt	tcgtgaatga	aagtcacatg	acttggtctg	tttcctttat	25200
tgaaagagaa	acctttacaa	aaatagtact	tcatagaagg	aagcatagta	tgtggaacac	25260
taaaccagga	atcaggaaac	caggttttcta	gttgctgatc	ttaatgagtc	attgtgtgtc	25320

283148US0PCT.ST25.txt

tatgggagag	ccacttaatc	ctgccttctc	actttccctg	tctgtaaaat	gggggtaatt	25380
ataatcctcc	cctttctgtg	tcacaaggcc	gctggaagg	aatgaggtc	ataaacatca	25440
agagtgtttt	aagctcttct	aaaggaagat	gctaataaat	ccagttgttg	atacttattg	25500
ctttgaaacc	atgaatgtat	acaggaaaga	cacttttgta	aatgggtgct	cttaaattga	25560
aacaaacagt	aacagcatag	tctgaaaatg	gagccagcac	cttaaaaatt	gcttaccttt	25620
actgcttatt	gctagtccg	ctccaggctc	ccaagagcca	ttgttttccc	cctttatgta	25680
acttaagatc	tgttcataga	tatttatgaa	cagattgtaa	caaagtgggtg	ttctaaatta	25740
catagttaaag	taacaattag	ggaaaacagt	atggtaatcc	tgaaactatg	ttaagactga	25800
acttctgatt	accttttatt	actgggtttt	atattaagag	atgttgacaa	gatgaaaatg	25860
tataattaga	atatacat	taaaaatcgc	ctcttaatgc	cgaatgcatt	gaaagaaaaa	25920
cagaaccctg	agggtgtttg	actactcatt	gtttagtctg	ggggttcatt	ctttgggggtc	25980
gatttaatga	gggtgggtcat	tcctgcagtt	ttgatggtag	cactgtgctt	atcaaacata	26040
gtaggaaaat	gcgtgattct	tttgtttttc	taccacccaa	aaaggaatct	tagtagagaa	26100
ttgatatttt	attttcttta	gaagtatgag	tatttaaaat	gaggctcttt	tttctgaaga	26160
gaagaacttg	gaaaagtttt	agtaacagca	tgagtataat	gggttttctg	ttaaaattcc	26220
cactaatgca	ttttcttttag	aaacgtagtt	ctaagagcta	attttggtat	cagatttggtc	26280
aagtagaaaag	ggtttttgtt	tgtttgtttt	ggtttttttc	tagggggagt	agcacagaat	26340
caagtgttcc	catttcacct	tataaactta	agggaaaatg	taactttatt	ctttcatctg	26400
cattgccaaag	tagaatgagg	aaaacactgg	gtgaggcaaa	gtgctgtgcc	ccccgcccc	26460
catcctgcat	ttggacagct	gtaatgcagg	tggattctct	gtttcatttc	tctagtacgg	26520
atgacagcag	aatgtatatt	tctatacaag	atgaacaaaa	cgttttaatg	ttggcgtttt	26580
aatgaacaaa	tgaaaacaaa	attttctgaa	tgtccaaaag	tattggttat	aaacacatta	26640
actgtcagat	catgattttt	gtgaaaagaa	tgctgtccaa	gtttagatag	ggacactctt	26700
tctatattta	gtttgagtgg	gttcttcaag	actgcagtgg	ttattctgac	tcatttcagg	26760
tagattattg	tacacagagt	tcagtgctag	acttttctga	agaaaactag	taaagtcatc	26820
atttggcatg	gaggagatga	tggggttgat	gattgctact	gatttcaatt	tctttcaaga	26880
tagctacaga	gacttacatt	aactgggtgc	taaaatacaa	tgcataagg	aagggttagtg	26940
tagaaagagt	tggagtatat	gttgataacc	aacattttgc	tctgtaggtg	caaataatgc	27000
aagatgcttc	tgtgtgttat	agctttatta	cttaagtga	ttcattacat	aagaattctg	27060
aaatagattg	gattaaaact	tatgggttac	atgtttacaa	atgataaaat	agtcaatttg	27120
gtggttctga	ttaattttct	attagactag	gaaaatacta	agtttgtata	gagtcacttt	27180
tatgtgtcca	aagacactgt	aaaacttgaa	tgggtaaagg	tgaagccttg	gaaactctgt	27240
ccagttttct	tatgtcatat	atgatatcta	tatacacaag	gtttataaaa	tattccttgc	27300
ttactgtgtt	tttactgaaa	tttggaatat	ttgatcaaat	attttgacct	acgatataat	27360

283148US0PCT.ST25.txt

ttttaaagat aactgatcac acgcattgca ccctgtaa	at gctgggtttt tttctttttt	27420
tttttttgag acggagtctc actctatcac tcagtctgga	gtgcagtggt gtgatctcgg	27480
ctcactgcaa cgtccacctc ccgggttcaa gcgattctcc	tgcctccgcc tcctgagtag	27540
ctgggactag aggtgcatgc caccatgccc tgctaatttt	ttgtattttt agtagagatg	27600
ggatttcacc gtgttagcca ggctggctc gatctcctga	ccccgtgatc ttcccgctc	27660
agcctctcaa agtgctggga ttgcaggcat aagccactgc	gcccggccta atgctggatc	27720
ttttaatatt catttttaaag agtatcaggt tttccagcaa	caaataattg gggctgggtg	27780
gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt	gtttccataa tatctcatcc	27840
agtcagtctc caggaggctg gatatgatat ttttctccat	aactgaaatt caaggattaa	27900
tgatgtgttc ttgtttcatg ttgaaacttt ataacttaag	catagtctac tgctacttta	27960
tccctataca gttagtacaa atacttgagt cagttattac	ggtgtgggtat gaaatttcaa	28020
ttgttttcaa tgcataaaaa cagatattat gatatagttc	attatactat gtgattttgt	28080
tactttacaa tcctattata ctgtgtgatt ttgttacctt	aaaatcctta tgtttatgtt	28140
aagaatgatt cattcttga tgagcttggg ggctcatgcc	tgtaatccca gcgctttggg	28200
aggccgaggt ggggtggatca tctgagggtca ggagttcaag	accagcctgg ccaacatgga	28260
gaaaccccat ctctactaaa aatacaaaaa ttagccagcc	atggtagcat gcacctgtag	28320
tcccagctac tcaggaggct gaggcaggag aatcacttga	accagggagg cagaggttgc	28380
agtgagctga gatcgcgaca ctgtactcca gcctgagcaa	caaagagtga aattcagtct	28440
caaaaaaaaa aaaaaaaaaa agaaagattt tgcatagtat	taatgcttaa tctttaatat	28500
ttaagaatat gatacagtgc tttctgtatg cattctatgg	acttaaataa gtcaatcttt	28560
ggcctccaaa gtataagtgt aacagataat cccacaactt	ggtagacaac tggcaactga	28620
agattttgaa agaatcttat tgaagttgaa tgcaatgacg	atgtaccatt attctgatca	28680
atattgacgg ataactgcct gccactcttc tcttgggggt	aaaagagttg tgtaaaattc	28740
aaaggggtgt tttcttcct ttatagtggg aagacatttt	cctatataca atatggtata	28800
atattccaaa aaatcctatg gcataggcag aaccacatg	aacccattc tttggaatca	28860
agaacctaca gtgtggagag gccagatgac ttgctccaga	tctctgagcc aaaaggagaa	28920
ggagtgtcgg gttcaacctc ataacatctt ggtatcccta	gccagttct ctaatgtcat	28980
attgtctgct tgggaagctc atatgcaata attacattag	gattttatcc tagacccttg	29040
cctcaagcaa catttaagtt aatattttgc tggagtgata	gttaatcatc tcccccttt	29100
tcttccactg ggtatcaatt caaaggaaaa tggggacat	tgaggaggaa gactggtagg	29160
aaagcgctct atttattgaa atcagttttt acatcctccg	gtttggagag tttagtattt	29220
gatactattt tcaaggctgt gatgttacta gtgaatttta	aagttgacca tcaagttggg	29280
gatggatctg ttctggggac tccagtcatg cttcctggac	ctctagatgt gtcaacaaag	29340
tggaaaactt agattgctct ggctgtcttt cattacctct	tggtaaagca aactgtatat	29400

283148US0PCT.ST25.txt

gatacttgggt aagatacctc cccaccaccg ccaccatcaa atacattaaa actcttgcaa	29460
ctcaggtgggt gacaatacga aaaaaatata caaggggtgtt ctgagaagga agagttgaga	29520
accgttgata gaatgtaact tagttattta aggttgtgaa aacagaggct gtgtgaggtc	29580
cggagtctta gtcaagggtca ctgattcaat tagtggtaga gttgtttgta gatatcatca	29640
agaaagagta ggagaatgtg atacaaacaa tgacacatct cagttggttc tttgtatctt	29700
gatgaataac tttctcccag gatacagcct atgctcttta gaacaactta gtattttgtgg	29760
aaatgatatt agtcttttta ctttggaaca ttttagtaac tttcttcatc catagactaa	29820
aagaaaccct gaaagccaga aatagagaat gcagaattcc ttaatgaaga aacgcgttat	29880
aatcagaga aatatggctg ttcattgacta tgtggacggt gtctactgag tggggagaag	29940
atttggtgcaa tatttaagggt catgtattta ctttatcaaa gaaaaggaaa caaagttatt	30000
gtttcatgaa gacccccagt gaaatcgaaa ggcctagatt atctagcaga attgaaggcg	30060
gctctgtgta acaggttcag cctgggagggt gacacagtga tgagtcagcg ggtgcattcg	30120
gtcactgctc tctgtgtctc taagacaggt gcttgttcta taagtgaat atcatatatt	30180
ccccattatg gataagtcca ttaacatttt tctaagaaat gagtcattaa cctatttaat	30240
gagtttattt gaaaactaat caatttagaa tttgcctaag gaccaataac taactaatca	30300
gttggtgcta ggtggttatc ttctggggaa ttgagtattt tgtcagtgcc tttttatttt	30360
taacagccct tgtttttttc ttttttttta attctcagga aaaaaatcat ttagctggat	30420
ttttatatga agataaatag tttcataca aatttaattt cacagaagct gccattattc	30480
taatgacgtg ggtataacct cactttcaaa agcagaaaga aacactttag caaacacata	30540
aaaattctta agatattcac actttaaaaa atgtaatagg cggccgggag cggtgggtca	30600
cgctgtaat ccagcactt tgggaggccg aggcgggtgg atcatgaggt caggagatcg	30660
agaccatcct ggctaacaag gtgaaacccc gtctctacta aaaatacaaa aaattagccg	30720
ggtgcgggtg cgggcgcctg tagtcccagc tactcgggag gctgaggcag gagaatggcg	30780
tgaacccggg aagcggagct tgcagtgagc cgagatcgcg ccactgcagt ccgcagtcg	30840
gcctggccga cagagcgaga ctccgtctca aaaaaaaaaa aaaaaaatgt aataggcaaa	30900
tctgtggcct ggaactcttg tgggcagtg c agtgtttgct ttgtgcaagc tgtcaggcct	30960
ctcagcatca agagacagta cctccttcct ggccagcacc cccaacggtg agcgccgtga	31020
cccaccaaac agcaggtgag attggagacc tggctggatg agcaaagcag gaaagcagtt	31080
ttgctatccg ggcgaatgga gttacggacc ttcttccagg ttaagaagaa agccacgttc	31140
ggagcgccct gtgttgagc gatgggtttg ttgagcacc accaatttag tcaggaaaac	31200
tgatgcagac gtgtggtctg ggggtcttca tgaatcggcc agaagccttt tccccagcaa	31260
ggtttgggtg cctctgggaa cttttgcctt ctgcagagga cctgggaaga gcgtgcacct	31320
acctgcaccg ctccgtgcta tgaaccaccg aaaataggga ctgaagtcag ggaccatctg	31380
accacgtgaa ttcccgggtc tgcggcagaa gccgcccccg atcccgtcat ctcagtggcc	31440

283148US0PCT.ST25.txt

accctcaccc atgactgccc tgcgctgcct gggcccagcg catgccgggt gagcctctct	31500
gccctccttt ctttgttcgg gacttcccat acccagatgg atggataaat aaggggaatt	31560
gtgaagcagg gagaaaagtt ttggaaatag gccagaatth ctttactaaa tttaaaaacc	31620
atgcacataa tccttttagaa actccacgca ataagcagga ttaagcaagt cgtggattag	31680
agtgtattga gcagagactg tttctgtttg aagaggtcag aaatggagggt actgggaccc	31740
tagtttactg tggacattgc agggcttctg aacttcccag acagcagaaa ttcttgga	31800
agtagagtct tgtggtcagt ttcttacccc acacctttgg tgcattttta aaaaataaat	31860
tactaaagtg ctttgcttca gttttattct ggtatgatag taggtattca ctttttattg	31920
tcttcctgca taaaagcaac ctaaaataac gttttacata cgcaaatgaa acagaaaaca	31980
aatccataag ctaccatac cctcttccag ttctatatat caggtgagtg tgctgagact	32040
tgtacaaata acttatgttg tcaagtagac atctactaaa tgtatagttc aactgaaagt	32100
atatttgagt atgctttagc aaaatgtgtt agttgcaaaa gtaccaaatc tctttttctc	32160
ttttaaagta ttataaatcc aggattgtaa atttatttta attgcagttt cagaaaacta	32220
actttaattt agctggctga gaaagcaaaa gagaaaaaaa ttaaataatta atattgaact	32280
gcatgaaaat actagataca aaggctacac aaaacccttt tagatataaa catccatgaa	32340
tttgcaattca ttgatgcaaa gacattgttg agattatttg ttctgacaag ttttttaaat	32400
gagaatttct cctaaagggt ttgtagcttc tacatgtaag ggcatttttg tgtttgggga	32460
cagatgaaag tttcagtggg ccagtagaaa ggacacacct tggttcagtt tgccgtctta	32520
ctgttatttg cagcttagct tatcagtggt cctagttcga gatgaaataa tcaactgcaat	32580
gaaatgtcca agttttccca gcaggagca tttaatgaag ttcttagaac aagtctgggt	32640
gatacacatt catctgtgtg agtcttgatc tgtccagggt cgctgggctg tttagaatca	32700
ctgggtcttc agccatttcc aaaacgcaga acacagttga tattttaagc caatcaatgt	32760
attgagagtt cagcgtgtgt cagcacaaga gtagatgtcc tgggagatgc agaagaaatg	32820
tgaagcctgg cctctgttcc ctaggtgcct tcagagtcaa cttggcagca tcccaccggg	32880
caccattttc tgggcagccc ctctgatcct tttcataagt gtccaccccg caggcaatct	32940
tggctgagca cagagaatgg gatgtttcac gggatgtctc tgctgcgaca gtggatatcc	33000
ttgctggaac attcacagta ctgggtcccat tcacagctgg gaccactcag atgtttcacc	33060
ccttcacccc tgcgtgaacc tggggtgcat cagatgaggt agtgtttgta agttttcttc	33120
tctgaaaaat agtagctttg attctgtctg tatcccagatt cctagatgtc agcttgccct	33180
gagctcttgg cggccttgcc tccaagctct cctgggtactt cattctgtgc tcagtctttg	33240
ttgtaaatgg tagtattcca gaaacttccc cattgtcagg tttcttggtt cttttttgta	33300
ggcagcccca aaggctgcgt taagggtatt gatcacattc tttctatagg catccctagc	33360
ctgttcagga aagccccctc ctttcctgcc agccacagcc cccaccgggt caaagggtg	33420
cttgccgctc ttggcctccc tgccctccat ggtgggtggcc agtgtaggcg aaagaaggaa	33480

283148US0PCT.ST25.txt

gtcccatgtg	gttggggagc	tccaagtcac	ccacccgtga	ggctgatggg	ggagttagtc	33540
acagatgagt	ctcctcccat	tctcaccttt	tgccaccttt	tgacgttttc	agaaaaaaag	33600
aaaaatagga	actttactta	tgggttgctt	gagaaaggta	gaaagtggg	ggcagaaagg	33660
acgatggcaa	aaatggtgag	atctcccttt	aattttttaa	tgtattcaaa	ctgttaaatt	33720
tctgcatgtt	ttcattacaa	agatgacaat	tgttgcatat	agactatctc	aaaaataactt	33780
catccatttg	agcaatatga	aagaataggc	tagagagaaa	cagatttggt	ttttcaagct	33840
aaaaagaata	acagaaagt	ggcgagtctt	cagtgaagctg	tctgcctttg	aaacctagga	33900
agtaaaactta	atttggaagt	gcatttagga	gatgaagcac	tacaggtggt	gaaatgctct	33960
agcaatgaag	caggggaagg	agagggggga	aaggaaattt	gagccaagca	acctgaaggt	34020
caggggaagc	cggtcttaca	gatgttaagg	gaggaatcca	agtaggcaaa	ggggatgaac	34080
agcagtgcaa	aggctctggg	gcagcaggtt	gcccggtagt	ttccagaaca	ggaaggaggc	34140
cagtgtggct	ggcatggaga	gctaaggctc	aaaggagaaa	gtgaagagaa	agaggtagta	34200
agggaccagg	aggaattgag	cccggccagc	cgtgctactg	atgttagccc	acatgtcaca	34260
gtgtgtgagg	gagatagagt	ccttggaac	aataatatgc	agagctttta	aaaactttca	34320
tactgtagcc	atcaattcca	tcatcatggt	ggtggtatcc	ctgggtggtg	gtggttactt	34380
ggtagagtat	acgtcaactc	gaatttcttc	ctcaaaagta	tataaaattt	gaaaagacct	34440
agaagtgatc	tagtggaatg	aagacgctga	ggtaccattg	agggtgggga	aactactggg	34500
acgtgcttac	aggataaact	gcaaaacaaa	agcacaagtt	tgtaatcatg	gaatgacatg	34560
ccttattctg	aaaacttaac	gtttgtagcg	taccttataa	ttcataagac	atttaaaaat	34620
ggatttgaat	cccaataacc	tatgcgtagg	gttggaatctt	gttggttatcc	ctgtttttta	34680
atggaaaatc	tgaggcctga	agatggtagg	ccatgtatat	gcctgccccg	ccgttgagcc	34740
tggctcctgc	tggtggagaa	actttccag	tctgtagaga	gaggatgtgg	tcctggcaag	34800
cctggctcct	gcctgattct	gtatcttctg	gtaacacaca	gccgtcattt	aaaaaaaaaa	34860
agacaaggtc	tttcctctg	acagactaaa	agctgaatcc	gcttatttctg	aactctgcct	34920
tgaggcgagg	tgccccgtgc	attatggtta	actaggacct	gctaaccatc	ggcttatcaa	34980
acaaatcaat	ttcactcttc	agctaatttg	gaaatgaaaa	ttatagaagt	tagaaaaaat	35040
gtgcagaaaa	agtattattc	caatgtatta	ttccatttgt	ttcatagaga	tcctggcttc	35100
acaggaaaga	gccaagggca	tgggttttgc	tgagggcgta	agagcttggg	gaaggtgagg	35160
gctaggtgtg	tacgggtgcc	ctgatgtcct	cttagcctgc	tggtgaggaa	agtgcagtgt	35220
taataaatgg	gctccagcca	actgtgtgca	gttatttcta	gcctgcataa	ttttaaaaat	35280
gtggttgagc	atttaggtct	atcttcagaa	tttaggctcc	atttgactta	gttttcctga	35340
aatatgtaga	aaactaatgg	tgaaagagga	cctaattctt	gaattatctg	cttgaactgt	35400
gttgctagtt	attccaagta	gaatttgtaa	aatggtccat	cattctctaa	gcaaaatgag	35460
ggaaataaca	attattttct	agaaatttca	tatatattga	atattacaaa	atcatgtaac	35520

283148US0PCT.ST25.txt

tagaaatggtt	taaatgggtca	cactggggcca	ggcacgggtgg	ctcacgcctg	tgatcccagc	35580
actttggggag	accaaggctg	gtggattaca	agatcaggag	tttgagacca	tcctggccaa	35640
tatgatgaaa	ccctatctct	actaaaaata	gaaaaattag	ctaggtgtgg	tggcgcgatgc	35700
ctgtagtccc	agctgcttag	gaggctgagg	caggagaatc	gctggaaccc	gtgaagcgga	35760
ggttgcagcg	agccgagatt	gcaccactgc	gctccagcct	gggcaacaga	gcgagactcc	35820
atctcaaaaa	aaaaaaaaaa	aaaaaaagga	aaaatgggtcg	agctgatttt	ccagaatgga	35880
atatcactgc	gtgatgctct	ctgggaagag	aaggcattaa	gtctgtaaca	cacaggacag	35940
aactactgtc	tattctgtac	gcatctgctt	gacctcagct	tttgtcacct	tggttactaa	36000
caaggtgggt	agaaagtac	atctctcttg	aatccattct	taaaggcctt	caaggactca	36060
ggcacagcct	tgggaaacca	ggaaatgtga	ctgtgtcaat	caccacacag	tccaacttcc	36120
ttttcgtgta	ggaaatgttt	tctttatcat	taattgatca	gttctcccct	ttccaaactt	36180
ctggcaatth	gggaaatgga	atctttatgt	tgctgggtat	tttctccttc	cacacctcct	36240
tctccttgct	ggacaggagg	ggagggcaga	agacgtgttt	gtggccacat	tcccgggtgtg	36300
gccccgcctg	acaggagcca	gggtgcacac	tgacctgcac	agcctctggc	ctctgtccct	36360
gggcctgaga	ggcaggagca	aggggcctgt	cctcactctg	aatccaactg	ctggtgactc	36420
agggcacctt	gctggaccct	ccaggagaag	ttggggccca	cgtttctagg	ctgcccactc	36480
atccaaacct	ccctccatgt	ccctgaccaa	agcatttcgc	agatctgggt	cctctgggtgt	36540
gtgaggctcc	tcccagccca	tgagcattgg	aaaatgtcta	caagatcttt	gccattttag	36600
gttctaccga	ggctaaagaa	tgtatgtttc	ctctgcttag	acttaagttt	ttgagtaact	36660
ttatagacac	tttggcattt	tggctgaaag	ggcatgtgca	gtaactgaat	atgacttggtg	36720
cactgtttca	gtgccagtgg	gtcacatgca	ggggagtcag	agccaagggtg	gatgaggctg	36780
ggatatctac	atgcttggtg	gggagttgga	gtcagggtgg	atgagggtgg	gatatctaca	36840
tgcttggtgg	ggagtcggag	ccagggtgga	tgaggctggg	atatctacat	gtttggtggg	36900
gagttggagt	cagggtggat	gaggctggga	tatctacatg	cttggtgggg	agtcggagcc	36960
aggggtggatg	aggctgggat	atctacatgc	ttggtgggga	gttggagcca	aggtggatga	37020
ggctgggata	tctacatgct	tggtggggag	tcggagtcag	ggtggatgag	gctgggatat	37080
ctacatgctt	ggtggggagt	cggagccagg	gtggatgagg	ctgggatatc	tacatgcttg	37140
gtggggagtc	ggagtcaggg	tggttgaggc	tgggatatct	acatgcttg	tggggagtcg	37200
gagtcagggt	ggttgaggct	gggatatcta	catgcttggt	ggggagttgg	agtcagggtg	37260
gatgaggctg	ggatatctac	atgcttggtg	gggagtcgga	gccagggtgg	atgaggctgg	37320
gatatctaca	tggttggtgg	ggagttggag	tcagggtgga	tgaggctggg	atatctacat	37380
gcttggtggg	gagtcggagt	cagggtgggt	gaggctggga	tatctacatg	cttggtgggg	37440
agtcggagcc	aagggtggatg	aggctgggat	atctacatgc	ttggtgggga	gttggagtca	37500
gggtggatga	ggctgggata	tctacatgct	tggtggggag	tcggagccag	ggtggatgag	37560

283148US0PCT.ST25.txt

gctgggatat	ctacatgctt	ggtggggagt	cggagccagg	gtggatgagg	ctgggatatc	37620
tacatgcttg	gtggggagga	ggagccaagg	tggatgaggc	tgggatatct	acatgcttgg	37680
tggggagttg	gagccaaggt	ggatgaggct	gggatatcta	catgcttggg	ggggagttgg	37740
agtcaggggtg	gatgaggctg	ggatatctac	atgcttgggtg	gggagtcgga	gtcaggggtg	37800
ttgaggctgg	gatatctaca	tgcttgggtg	ggaggaggag	ccaaagtgga	tgaggctggg	37860
atatctacat	gcttgggtggg	gagttggagc	caagggtggag	gaggctggga	tatctacatg	37920
cttgggtgggg	agttggagtc	aggggtggatg	aggctgggat	atctacatgc	ttgggtgggga	37980
gttggatcca	aggtggatga	ggctgggata	tctacatgct	tgggtggggag	ttggagtcag	38040
gggtggttgag	gctgggatat	ctacatgctt	ggtggggagt	tggagtcagg	gtggatgagg	38100
ctgggatatc	tacatgcttg	gtggggagtt	ggagtcaggg	tgggtgaggc	tgggatatct	38160
acatgcttgt	tggggaagag	gagccaaaga	tgtggatttc	ctctgtctcc	acatccttgg	38220
gcaaggactg	gtgatcagct	gctgctgtct	tattttatct	gcttctccag	taaatgaact	38280
ttatatagtt	ggtagcttgg	cgttttccat	tttgcatctac	tgaattttca	ataaatagtg	38340
ctttagttag	atgtaaactc	ctgtcatttg	tggcagagga	acttaaagt	cggcctgcat	38400
tttagggcac	ctttttgtat	agagcagaga	gaaggggaagt	gctgtcccc	agtggcctgg	38460
accaggcgga	gcccagcctg	ttgatgatgc	attgtgtgtg	cttggcatgt	gtgacgtggc	38520
aagggattca	tgttctctgt	gggcagctgc	ctgagtagta	gacatgtgag	gccccctccc	38580
gggcattttg	tcctgtcctc	aggacatgaa	gaaagcagct	aggcaaaggc	actctttgca	38640
gctttaaatg	gcctagagtt	acccccagaa	aaacaattct	acttctgttc	cacttctgtc	38700
caattaaaac	aagtttggtc	atttttatct	aggagcaatt	tgccattgtt	tttgtgcatt	38760
cggcagttgt	ttatttgctg	cttgacagttg	tgggtgttcg	tgggtatcatt	cacgaataca	38820
attttgaacg	aggaagagct	gtgatgacaa	atgcactaag	agacaccact	gtggctctcc	38880
acaaattagc	cagaacataa	gggtgggagg	agcctgtctt	tccctggcag	cacagggctg	38940
cctggctcta	agaagtctgt	agttgagaac	acagcatgtg	gttacatgta	tacattatct	39000
gaaggtgcac	aaagcaaagg	gaagccaacc	acaaaatgcc	agttgtgcta	gtagcatgtg	39060
cttctttatg	aatgaaagaa	catacgcat	tttgggtatta	attattttata	tattttatac	39120
atgaaatctc	atttgacagg	ttccctgtga	ctccactggg	gaattcaggg	tgggagagggt	39180
agtgccccca	tcttcataag	agggagcaga	cttagagaca	tagctgtaga	gattacacag	39240
ctggtaagaa	gtggttccta	gatgctagcc	ctggggaccc	ggctctgggtg	tggcgacagc	39300
gcctttcaca	cctgtatcct	gagagtcgtg	ggaatggcat	gtagttttaaa	gtacagagat	39360
gggggcatgg	agtcattcct	aggctcccag	ggaagagcag	gatgtttttg	atatggccga	39420
ttaggaagaa	tgggcacttt	gatctctgca	aagagagcct	gcgcttcagt	gactaagtag	39480
gatttgaccc	ttcaaccttg	actctagtag	atggctcagt	taaaggctac	gtgggtgattc	39540
ttaggaggct	tttaaattag	atagatggat	ttgtccctgg	agagacaaag	ctgaaatcct	39600

283148US0PCT.ST25.txt

atatcacata gatgttatag accgaggagg ggggatttac ctacagttat ttaagctttt	39660
aaagtagaaa aaagggtccag ttgaaatgat atataacaac aggctatctg gagatggata	39720
tattgtgaat aaataattat tctacattct ctttaatttg cagcaaaaat ataattaggt	39780
tttataattt ctgatataaa caatataaac attgttatgg tgtacataaa atttttttag	39840
attagtaaga aaaccatacg tataaacatg tgttaagtct gaggaagaa ttacgtcgtt	39900
cattggctat ttgcgatttt aatgcacctt atatcacttg gcccaaatac tcttagggca	39960
gaagcataat gcttacattc acattctcaa atgacccaag aaagagaaaa gatttggacc	40020
cttaatgagt tgtagatctc atatataaac ctttacttct gttaaaggaa gaatgctagt	40080
gtaggatgta tttagcaatg attagattta ttgagcactt ttgtgttatg catgaaaaat	40140
caaatagaat agcggtagct aagagaaatt cattccaaaa gtgtgctggc ttcataaatg	40200
attttgtgat gtgtgtcctc ttttctagta gggctctgtaa caggatagtg tggtttttag	40260
tagatagtat tgcatttcta aagtacgtaa gcttgcagat aattttcaaa gggatatcaa	40320
ttagtttccc agtataacac acagatggaa atatatggtg ttttctgac aaatttgcct	40380
gtttttcttc gcattgtctt ccttagtaaa ggttgccatg ttcattgtgct ccttgaagga	40440
ttaacaaaca ttctgtgaaa ggtcaggtag taaagagttt aggttcattg ccatgcagtc	40500
tctgtcacag ctgctccact ctgcttatgg tgtgaaagca gccatatgta aatgcgtgag	40560
cacggctgtg cccaaataaa actttatttg cagagacagg caagccagat ctggccttac	40620
tttactgacc tctgcttggg acgtcactct ccaagtgggc tggaaagggg tttcttttct	40680
tctgggtctc acgcagtcct aaagcttcgt tctgttttag aaaactttgt tctcttttag	40740
aaaactttat tgagcatttc tgcctgtgag aaatggcatg aaccacatgg ggttttcgct	40800
tcaatttaat acctataagc ttactaagg acctgaccag caggctgctg gctgctgggg	40860
acagggaggt gagaaggcag ggcctgggca tcagctggca aggaagacca accatggagc	40920
acaccctcat cgactcacag gcttcactga atcttgtgac atgctagcat gctgtttaat	40980
gtccttcgag gagagtttta taaagagcta gtggttcact gtggaagttg acactctggg	41040
gccccagggt acagttgcag gtgtctctgc tcctgccctg tcccacccat ctattgtca	41100
ccaaagggga gcagagagga aagtgttctg ggagaagttg aggaccctgt tcttcacag	41160
actggcaggg aggcttcagc aagtgttctg tgcttcctgg tctgggtttt aactaaaaag	41220
ggtctaacat ttcataattt aaaagaaagg gtccacccgc aattcttgga actttttgta	41280
tctcaggtgt ttgtgcagaa gaatcatcga tactgtttct cctatggcat tggcggctgc	41340
tgaggggga gtgggcaatt cttgccatag acgaatagct cacttcatgc acatggcagg	41400
gtttttaaca ataacactca gaaaagaacc gtgtacattc tgtgttacac aatctgctgt	41460
agccgtgcac tgtaaaattt atacaggctc ctgtatagga aagttgaatg tgtagagggg	41520
attggaagtg cagtaggtaa aagtttagga ggcctgattt tcctagtttt ggatgattaa	41580
gaccaggtct tatgtgcagg attaaacagg agttaagggt ggagatacct tttactaaat	41640

283148US0PCT.ST25.txt

ccagcctgtg	agacaactag	attgtctcat	cctatTTTgt	attgtgtcat	taacatcaag	41700
ttgcaacttg	atattcggaa	TTTTTTTtac	taacaagcat	tcaaaatgaa	atgattTTaa	41760
ttgtcagtgg	aagtgatgag	ctcatagaaa	agaatgTTTT	cagtCTTtct	caaggagggc	41820
agcaggaaa	caagttattg	cccTgTTtg	tcattggggaa	CTTattCTtc	catattTTcc	41880
TTTTaagtta	gtTTTTTTTc	caatttaaaa	gaaaagtTca	agtaaccgtt	ttTcctagaa	41940
tctctggctt	ttgttatcat	acccaacCTt	acCTTTTTTt	TTTTTcatg	ttCTtagagt	42000
gtCTTgCTTt	agtaaagtct	ggagatacta	aattatcggg	TTTattTTTTc	tcagaattgc	42060
tcctgcaact	gaaaagtcaa	TTTTccCTtg	taattctgtg	TTtaacataa	aaggctgaaa	42120
ctgggcactg	agatgtacct	gtacgatatg	TTtgagctca	tggaaaggTTt	cCTtgCTTtc	42180
ggaatcacat	ttgctactag	aaatacaaat	TTtaattTTa	agaagtgtat	cgTTTcattt	42240
tgtcaagtac	atcagtattt	gtaacactcc	taattcagct	atggctgaaa	atgtgaaagc	42300
atCTTTacCT	actccatgaa	TTTggcCTct	gggtggTcca	gtgttgctca	ccaaaggcCT	42360
gtgaggCCCC	atgtcccaca	gccgtgccat	ggggccCTac	gtggTggccg	taagcccCTc	42420
tgcagagagg	accggggcCT	ccCTgggcag	agctgccacg	accaggtgt	atatcCTgga	42480
TTTTgaacat	cgaaatgtaa	cattggaggc	aaacatgtcc	aaacccaaat	tgtcaggaga	42540
aattatgaag	aaaaaggatt	ggtgagTcag	actgtgtgcc	gaaaatgctg	cctgattTTa	42600
ttggctggag	caaattgacc	TTattTccaa	catgtTctag	gCTtgatgcc	cactTcagtt	42660
ttctgtaatg	tgattgcagt	catggtgcc	agctccgtgt	gacatgtcat	tgtTgggaca	42720
ttgtTccata	tattacaagg	aagCTTtCTt	cCTTgtCTTa	atcacaatgt	TTtctagtga	42780
TTTgTTTTct	ttCTcCTTt	CTctCTTtctg	ggggagTcaa	gttgagcagt	ttgaaggTgg	42840
agCTTtTact	gacagCTctc	tCTTtcatTT	gcattCTgat	TgCTctTgta	agTggaggag	42900
aaaaggggag	gaattattgc	ccatctgcag	ggcattatgg	TgagTggcac	aggggactgt	42960
atcccacgta	tgaatgtcat	ctgtcacaa	cgacagcaga	aaggagatgc	ggagTggata	43020
cactgcacga	catgtcacat	ggaacaactc	tcatCTctgc	taaaagtgtt	TTTgTTTgtt	43080
ggTTTTattt	gctcaaataa	CTctacgtgg	atacgtctgt	ggatggattt	cTcacaaa	43140
caacgtctaa	gggacagagt	agtacagtgt	gtaatgagcg	atgtgacaaa	TTcaatgagt	43200
atcagtaagt	TTacattTTt	tatatagatt	acCTgtagca	gcagaactgg	TgtgtggTgt	43260
tctgtcattg	TgtTcatgag	caacacgtga	gtCTtattgt	TTTCTTTTTg	gtTTTgCCat	43320
tacagctgat	gaattcagaa	aatCTCTtcc	TTCTtagtga	atattcaggg	tagaacagcc	43380
ataaaattaa	taattCTTTg	CTTctactaa	aatgaacaca	gataatacaa	caaataaatt	43440
TTTgctggaa	tctcatCTtc	aggaagcCTg	aagTTTgatc	atattTaaag	gttgaggatg	43500
tcagatgatt	agtgttagaa	aattgtTggT	gtgtTTTTTt	cccTggTca	ggatgaacca	43560
ggctgattTT	cagggTgagg	gataactTca	gttactTTga	aagTaaatga	atataaaggc	43620
aaaagTTTac	tctcattCTt	aggTTTgaat	CTctggagTg	TTTTccagct	TTCTTCTTcc	43680

283148US0PCT.ST25.txt

tggggtaggg	gagtgtcact	gatgagtggg	tggctgtcag	gtgggtggta	ggtatcgtgt	43740
tgccgtgggtg	gtttcaacca	ggggcaccag	ctcttggtgt	ttggtgtctg	aaagctgtgt	43800
gtgaactaca	gagagccctc	ctgagccctt	gcacgtgtta	atcatttagc	cctatgcctg	43860
gggcctttta	tagtatgtgt	ggcaaagatt	ctaccaccag	ctcaattgga	aaaaggtatt	43920
tgagacatca	gttcaggcag	atggcttctg	tcttagacct	tctttctcta	acaaatgaat	43980
aaaaatgata	cttaggggtt	caaaacagat	cccttttttc	caccataaat	tcttagtact	44040
gatgcttctt	aggctctgt	tgtatcccaa	tccctctgct	gcggctggca	ggtcctagtc	44100
atctgggtcc	aatctgaggt	gtgctccagc	cttttcctcg	ctgccctttt	gcacctccgc	44160
aaaggattgt	ttctgctggg	taattctgtt	taaatcaccg	cgagcgcttc	caagcatccc	44220
aaagggtcac	ctggaatcag	cctcagcctc	ctgggggtggg	gggatgtcta	agcaagcagg	44280
tctgtgagag	gcagggcact	ggggagcaaa	accacaggcc	tgtgcccgt	gagcacaccc	44340
agaccacagt	tctcgcttta	ccgtgaaagg	aggcgggcgt	tgaaagcggg	tgtattaacc	44400
taacaggaga	caggctaggt	gagacacatg	cacgttgtgc	ttgctctggg	gcacgtgtgt	44460
gcatgtagat	gtgtgtgaaa	cgctgcacag	ctgacacccc	catgcctggc	tctgagcggg	44520
tggatcatct	gtttctgggc	tccctcacct	cagctctctt	gtgtcctttg	agtgtgccat	44580
taacagggtc	atcttcctgt	aataaccctt	ccttcctccc	ttctccttcc	ctttcccctt	44640
cctcccctct	tctttttttt	tctttccttc	cccttcctct	tccccttcc	cttcctcttc	44700
cgcttgccct	tccttttccc	ctttccttct	tttttttttt	ttttttgtca	gccatcttcc	44760
cccaagttat	cagtgaggcc	ttgcaccaga	gtagaattaa	aaaaagaaaa	ttgttgaaaag	44820
gtcattgcat	gaataaatgc	atggatgaat	tacttccttg	ccatttatca	gctcttttct	44880
tgcataatgc	taatgcttag	aaattaacgt	tttgataact	gtattctact	tccaaaaaat	44940
aaaattacat	gttcaactta	attggagctc	gcaaagatgt	aatgataaga	gttgaatatt	45000
acagcgatac	agcatcctaa	aaaaaacaat	gaaaatgtca	gtggcctcat	gaaatcacia	45060
atgaaaatgg	aaagtaattt	ttttcagcaa	taatttaccc	gccatttata	tgacaaagtg	45120
cttaagtttg	agaaactgaa	gaacttacta	gtttagctgt	tttcaaaata	acagacttag	45180
agttaacatg	agataattca	gccacattta	gctaattggt	agtgtcaaaa	taaaataagc	45240
aattgattag	aaattcttct	gtcaatggat	ttgcagagtc	tcagttacct	gcttgtgggtg	45300
gccatgggat	tcttcccaaa	tcagggtctc	agggacaaaa	tgcaagctca	tttttaggggtg	45360
aattacaagt	ctcaagggtgt	gttttagcaa	atgcctgttt	ttttttaggg	gatacaaaca	45420
attagattct	cactgaagtc	tcctgggatt	gaaaatcaca	acaataatga	atcagataac	45480
tcaaagacag	atctttcctt	aggaagaaat	taattctgtt	aaggttcatt	ggcagaacat	45540
tgtttactta	ttaaatttat	aatggacata	aagcttttta	aaaataacaa	gataggccgg	45600
ccgcagtggc	ccacgcctgt	aatcccagca	ctttgggagg	cctaagtggg	tggatcacct	45660
gaggtcagga	gttcaagact	agcctggcca	gcatggtgaa	accccgcttc	tactaaaaat	45720

283148US0PCT.ST25.txt

acaaaaatta gccaggcatg gtggcacgta cctgtaatcc cagctacttg ggaggctgag	45780
acacgagaat tgctcaaacc tgggaggtga aggttgcagt gaaccaagat catgccactg	45840
cactccagcc tgggtgacag aataagactc catcttaaaa aagactaata ataataataa	45900
ataaaataga taaaacagcc tcagaatgtc gcgttgtagg gaattttaaa atgtccactt	45960
tgtatatattga caagtatttt ttctgtaaag cttttggggg ttttgggggg ctatagcatg	46020
tagtgcctcg agttcataag gagatgtggt tttgaggggac tcaactctcag cttcaggggca	46080
cactggaagt ttctgtcttg ttgagttcag tcctctaacc ttaagatgga gagaaaagaa	46140
tttggttcac aaaaaagtaa gtcagggagt atgataagag gctaggatca gaattctaaa	46200
ggattttaga agagtgtcca gaaatgcagt tgggtataaat gcatctgcaa aggaaggaaa	46260
tgtacctgtt tgagagcaaa gcggtgtcga ccctcatgtt gctgagtgat gaaaatgaac	46320
agtatgtcat tttggttaaa aagccaagaa gcttagaaaag aagaaaacag cacgctgtga	46380
aagggtcaaaa tcttccaatt tgttctgtcc cttgaagaag gaatatatca agtaaaaata	46440
ggcctaaaac actggaaatt gagaaagggt aaagaatttt gatccttcat cctggaaggg	46500
aggaagcaat tagatctggc cacgtgtcct cagtcacctgt cccctctgag cacagcgaaa	46560
gggtaaatta cttaactgg aacatatgaa agtttgagtg gataaaaata accctttcct	46620
aatgttgagg gttatgcaac aacacatgag gccgtgcagg aaccttccat tgctgggcac	46680
gttcaaaaag aggtagatga tccggttgga agttttctga gggcagaagt gtggagttat	46740
tagttactcc actttcataa cataatgcac atttgtagaa taaacatagt ttacagagca	46800
ttgtaatgtg tgtcatagtt ttctatctct gcagccctgg gaggaaggca agtggattct	46860
gtgtatccca cacaacacag gaagcatcaa ggcctaagga gttacagggg tcattccatc	46920
acacagacac gcagtgaac ctaggaactg gcccttcttt ttctatcttg ttcgacagaa	46980
tgattcacia aaacacatgc gaatatTTTT cttaaattga aaatacgaac ctaactgtct	47040
agacaactca ccatgaacct aacagctctg cttccaggaa aactcagagt tttccactg	47100
aactcacctc tggaaaacag aatgaataga tgtttctttc tcaaagggtca tcagtttatg	47160
aaaatgacct aggtcctagc tgtgggttag aggggccctt tctggaactc cagagattgc	47220
tctgttctcc tgagggtctc tgctaacttc cctcctttct ttttcagagt gaagatctgt	47280
ctggctttat caccaggatg tcacatgtca gagagtatca ttaaaagaag acgctcagca	47340
ctgtttcagc ccgaagctgc ttgcagtttt cttttggatc tgagcaatga ctgtgttttg	47400
aaacatctgt ggactctgtt agatgaggca ccaacaaggc aagggtcacct gcctctttcc	47460
cttgttcccg gatggggcat tcatcattgt gctgtttgcg ttttgttttg ttttgtttta	47520
acaaaattag ctgaagaagt tattctcaag aaaattggat gttttcattg gccttcttaa	47580
attgtggcca gtgtctttta atttcttctt cttttccttt tggcaaagca gatataaccc	47640
tcagcatgct aggagagtgc acccgtaacct atggaagtgg taaaatctgg tatttactgg	47700
cttactca aaacgaccac agtcctacct cagttcaagg taaagccgga tttccgtggc	47760

283148US0PCT.ST25.txt

gggggtccca	caggacctcc	tgtagtagcc	cctgcgctgt	gtgtctggag	cgcggtcctc	47820
ggccttattg	aaatgggtcca	agtagacagc	tgcttggttg	attccagtgc	aggtacctgc	47880
gatgtttacg	tccacaccga	gcccagtgtg	ggactgacat	ttctcaatgg	aagtgaaatt	47940
tgggattgga	ctttgaagac	ggattactaa	ataataatta	ttatatgtaa	ctgaagcaac	48000
ctacttttga	aaatcaactg	tattgggtag	tgggaggttg	gagggaaagg	ctttgggaag	48060
gggatgaata	tctcttttta	cctttaacag	acttgtttaa	tcttctcgat	gtagatgttt	48120
atgtaggtac	ttcacattgc	aaacgccttt	tattctattt	acaagctcag	atgtctctgc	48180
tctcctgaat	cttgggcatg	cctttctgta	acaaaaaatc	cctgtaggcg	tgctagcaat	48240
tccagggttg	tccgggtttg	gcagatttga	tttttaaaaa	acgtattatc	tttaataaaa	48300
tgttattatg	tcaaccagtg	aggctgccct	gaacaaaaaa	aacaaaaaga	aaaaaaaaaa	48360
aggaaagaaa	gaaactgata	aaaagaggca	ttccagcccc	tatgttattg	atggaaaaag	48420
aaaaagaaga	aaagcaatct	cgcagtacat	gttacttgtc	gaaaaaatc	cggacaagac	48480
tacccttggt	ttatgttttc	agtattctga	aaataccagt	gtgtggcagt	tctcgcat	48540
gttacctaaa	actgctgaac	ttgaccggca	gaatgttctg	ccgttttctg	ctccctcgac	48600
acttgattgg	agggctgtcg	acctctcctc	ccgtgggggc	ttccccagt	cctatcttct	48660
ctgatagtca	tggagagggt	acactaatc	attggagatg	taagttgttg	gttttgtttt	48720
gttttgtttt	tagaaaaata	tatataaata	tataatagat	atctatcgct	atagaataat	48780
gcattaataa	aatgaggctt	ttttagagga	agacaaaaaa	attcaatgtc	ttaaaaatat	48840
atttaatggc	aatgcaaaaag	tcttcctgct	tccgtgctga	actttagaac	agaggattgt	48900
attgcaagac	aaagtgaat	gtaaagtgat	ctccctgaac	atttttaagg	ttttactttt	48960
ctgaaattat	acatcacagc	agtgcatagg	ccatataatg	ttagctggaa	ggtcaatttc	49020
agtgtatgat	atactttatt	aagatgtata	aaaatcctga	agtttttatt	tagttttggg	49080
aataggcatc	aatgggtggg	atttgctttg	taactcccc	caggtagcat	agggactgaa	49140
tatggaccct	gctgaaagca	gtgtattgac	gcatatttaa	ctcgccctct	atccgtagag	49200
tagtcatgac	actatacaga	tggttcgtgt	tcatactgca	gcttaaaaca	agcaaaatac	49260
acagatgata	atatgctaaa	ttttcctcta	tcctgtacat	ttcacaaaaa	ggcatatgca	49320
atattttacat	ttttaattta	gtttacagaa	tggaaacaaa	atgtataaat	gttatgtttg	49380
ctaaaacttc	acaatgtata	ttgggtcttt	gtacattttg	cctgacttac	cttaaattta	49440
aaatattttt	tgctatataa	actttaacag	ttattaaaca	gtgttttctt	tttgggtacg	49500
tattgtttct	ggatatcaag	atgttaaata	tatttcttgc	tattgtgata	tgacaagaga	49560
cttaacttat	cttgctctgt	cttccactgt	acacgctgta	tataggggtc	aatgtgatgc	49620
tgctggagac	gagaataaac	tggactagaa	tagtgcattg	tatttagtct	gtattgatca	49680
tggatgccct	ccttaatagc	catatgcaat	aaaataaagt	acattattta	tgaaatgaat	49740
acagtcctga	agattttttc	tgtacgaatt	ctctgtttta	cataaagcca	atctactttt	49800

283148US0PCT.ST25.txt

agagtttggg	agtaagtgag	gaaatactag	gctcctaaaa	atacttggat	acccctttta	49860
attttaaaaac	ttttattctg	gaagccaaaa	aatacctgcc	agataacaac	atttatgaaa	49920
agtaaatgtg	ttatataaca	aaacagaaca	ttcgatgtac	tctacaaaac	agagtcctta	49980
tgacgtgctg	gatgccattc	taaatacata	acaaatatta	acttcttgat	agctcatgac	50040
aatcttagga	ggtaagaatt	gtcatcctca	ttctacagag	gaggagcccg	aggtacaaaa	50100
atgctaagag	acttggtgta	gagcacacag	tccatgagtg	gtaaaaccag	gaccgctccc	50160
cagctctgca	gtccagaatc	tgcttatgca	cctctgctta	gtgctccctt	cctgatgtgc	50220
acacagaaga	tacaccaacg	tgtacatcaa	gaatgctccc	tccatgacat	gcacacagaa	50280
gatgtaccaa	tgcatacatt	aagaatgctt	cctccggccg	ggcgtggtgg	ctcacacctg	50340
taatcccagc	actttgggag	gctgaggcag	gcagatcacc	tgaggtcagg	agttcgagac	50400
aagcctgacc	aacatggaga	aaccccgctc	ctactaaaaa	tacaaaatta	gccaggcggtg	50460
gtggcgcatg	cctgtaatcc	cagctactcg	ggaggctgag	gcaggagaat	ggcttgaacc	50520
cgggaggcag	aggttgccgt	gagccaagat	aatgccattg	cactccagcc	tgggcaacaa	50580
gagcgaaact	ccgtctcaaa	aaaaaaaaaa	aaaaagaaga	agaatgctgc	ctccatgaca	50640
caaacacaga	agaagacata	ccgatgcata	catcaagaat	acaaagaaga	aaatcatcag	50700
atccaggaaa	atgcaattca	ggaagcagaa	aatagaaaat	tgatgctgtg	aatttttatc	50760
caggagagtt	ttacctcctt	gcttgaaaca	tttgtccgtg	catccacttt	gccctaaaaat	50820
gatagtcatg	taataatgtg	tgtgttatct	tttgaacaaa	taaaatcagt	gcaattttgga	50880
agggtgatttt	taaattacgg	ttgttaagtc	agcaagatgg	actcacactg	tgggtgtggaa	50940
acctgtgatg	ggatagccac	aggctgcac	ccctgtttgt	gcctggatgg	tttgttctgg	51000
gggagcctgt	tagtcacaca	gagtaagagg	cctgatctgc	aagtcttgat	atacctgaaa	51060
tctgataaacc	atttcaacaa	tgaaagggca	aatgatgcag	tcattccaca	ggcctcatct	51120
aaggcaggaa	cggacaagtg	atttatctga	aagagccatt	gtggagaaaag	tacagcaaaa	51180
tggagttggt	tcaaaggtcc	acagattctg	gaaataccac	tcaaaaccaa	tgcagggcct	51240
tttccagaat	gttaagtgtt	atatgacaag	atgagaagac	tgacaggctgc	aataattttg	51300
gaagaatttg	gttctaacc	actgatggcc	tcgacaggca	gcttgcaaga	ggcaccttag	51360
ctcatggtac	tgtcatgata	tttgagtccc	atccttgagc	tgatctgcag	ctcgtccttc	51420
ctcaaaccct	ccttaagcat	tgcttcacag	attagatggg	ttgctcatta	gtgcatatca	51480
ctgtgagttg	accaggggta	atagcatttg	agtgaagcta	gcattacttg	acatagcaac	51540
ttttggatgg	caccagttga	aggacagagg	ggacgattcc	tccactgaga	atgtgcagtg	51600
tctcttcctt	gtcattgccc	cagtagtatt	tctctgaatt	ctataaccaa	gtgaaatctg	51660
atgttttatgg	gtcttgcttt	ggcaatgata	cacagatgat	agacctagca	tgctgcagtt	51720
gatagcttga	aaacattaag	catcccttca	ggagctcctt	ttagattttg	accctcacag	51780
ctgtgtcttt	cctcttgtct	cttcagcctt	gtttccctct	gcagatccca	atgaccctaa	51840

283148US0PCT.ST25.txt

atagcaattt	ggtggtttct	tgtcctctta	tcattagtgc	ctccttcatt	tcacactggt	51900
cccgccttcc	tacctgagcg	gtcagatgac	tcacagcctt	tccgctgcat	ctggagactc	51960
tgtcctat	taggcacttg	gttcctctga	caggagctct	gtctgagttt	gtgcctctga	52020
acttttcttt	ttctgcattt	caaaatcctc	tcctttcacc	ttggaactca	aaaagttcta	52080
aatttttacg	aaaattactt	ataccccagg	aaacctaccc	cagctctttt	ccagcctgtc	52140
tgggtgtgtc	aaatacatat	caggaactgt	acaacgtgct	cctgtctctc	cagatctttc	52200
tggttatgac	acttaattct	cagatgacat	tgacagaaaa	catactgatt	gatagatttt	52260
tctagaaaag	atgcataaaa	caataaagga	gctgtattaa	ttagcatgca	tttagctgca	52320
agtaattgaa	acctcaattc	aatggctctt	agctgatctg	agctgctata	acaaaatgcc	52380
atagactggg	tagcttatag	gcaatagtat	tttttttccc	tcacaattct	ggaggctgag	52440
aagtctaaga	acaagctgct	ataatgtggt	gtctggtgaa	ggcctgctgc	ctgcttcata	52500
gatggtactg	tctcagtgcc	ctcccgtgac	agaagggttg	acctagctct	ctgggggtccc	52560
tttcataagg	gcactaatcc	tattcatgag	agctctgccc	tcatgactga	atcacttcct	52620
aaagaccccc	acctccta	accagcactt	tggggattca	aattttaata	taggagtggg	52680
gggaggacac	agacattcag	actgtagcaa	gctcagagca	gtagttctca	aacttcagga	52740
cttcttagaa	ttatctggag	gggcttggtt	aaaacagatt	gctggactcc	actcctagac	52800
tcttctcagc	aagtctgggg	tagggcccca	aaatctgcat	ttctaaaaat	ttccagatga	52860
tgctgatact	ggctctgggac	cacacagtga	aaatcactaa	attgcaaagg	gatgtgttaa	52920
ctcacacaac	aggaagccca	gggctgggtt	attaggcagc	taagtggcgt	gcacagaagc	52980
cctggatctc	ttcatctttc	tactcagcca	tcctcccgat	ctttgctttc	atttcagacg	53040
cttggccccc	tgtgtttcta	agatgggtgc	ggcagctcca	ggcagcatgt	catctcataa	53100
caatgtccag	caaagcagtg	tctcttcctg	gggtgtcttt	ttggaatgat	gcaaattgacc	53160
ccagagccac	cccaccacca	gctgcctctg	cctcacttcc	attgtctggg	attgggtccc	53220
aagctcctgg	ttccattgat	tatgaggaag	gagatggctg	atttactacta	aaagagatgc	53280
accctccagg	gctgggaggt	gtccacatcc	catgaagaga	cagttgaaca	aaagctgggc	53340
attggaaacc	aggaaaaagg	agtactgtca	cttcagtagc	aactaacagt	gtctgctata	53400
acagcagaaa	atgaaagggc	catccttttc	aaatgcaatt	atatctctaa	tgtatgatct	53460
ccatctacag	cgattttgaa	aggggggatt	taaaataggg	taaaagtaga	acaaaattat	53520
gaatctagca	tgggtcaaaaa	gaggatggcg	tcattgcttc	actataggct	tcacgtatct	53580
ttgcttttgt	tattaaattt	tgtgcaacat	gggaagctgt	tttataaaaag	atcaagatat	53640
aaaggattgg	aaaattggac	atttgaaggt	acatcaaaga	gctaggacta	tttagactgg	53700
aaaagaggaa	actacgtggg	gattgattag	cattgataac	attaggggct	atagataaaa	53760
taaagattag	tcagctgacc	tcctcaaaaag	atgataaaaac	cagagaaaagg	ggtagaatac	53820
aattagaaaa	atgtgtccga	tttcataaaa	aaataatttg	ataataacga	gggttattaa	53880

283148US0PCT.ST25.txt

atatcaactt tgaaataatt gttgatttca ttgcctggag gccttaaaaa ataggacttt	53940
gcagctgtct ttcttcgtag tgatgggaga ggggacatag accacataat ctcgaccagc	54000
cccttcccc aggggctcag catcgcacag ctgaggaggc agccaccccc tttgttgctc	54060
atgtcaacag ctcccctgga cttgcacagg gcatggcctg aagcctgaga tcctggcttc	54120
tctgaggata agagaactac tgagcatgga tttaatcagc aaaaagaatc accatagttt	54180
tttctgccta gtttagtctg taaagtgttt accaaagtag tatttaggaa tctgaaggaa	54240
agatctgaaa tttgaaggaa ggatcagagt atgagggtcca tcctgaatag tccagattca	54300
taagattata agatcataag atcatgctga tagagcagct ctaaatacatg ttgcttaaaag	54360
aggtttttta atacaggaca gccaaagtga caaagtgatc tttatcaaata agccgggccc	54420
tcttgctggc acctgtagtc ccagctactt aggaggctaa gttgggaggg tcacttgagc	54480
ccaagagttg ggggccaac tgcacaatat agctagatcc tgtctcaaaa aagaaaaaaa	54540
aaataaatgc atgtataatt caaattctcc ttctcccca ctcaccatt atcttttagg	54600
aaaagtcaaa gttcctgaac gtggtaggcc tgagacataa ggcactatat gaactggctt	54660
ctgcctaatt cccagacac atcttcaagg ccctgtccct cccgctccac ccctccctgt	54720
gtctgcacct aagccttcct agagcacata aagtgcacct agctcaagta aggaggagaa	54780
cataaaatga aaagacaaag aattgctgaa cctaaaaaca aatgtttatc taccaagagt	54840
tactatttcc taaaagatcc cttgaggaaa ggtatgcaac aagttagaag catttttaaa	54900
aataccattt aaatgctata cagcattgct tcacttcttc ctttgaaatc tgaggacatt	54960
catcatctca tttccattca cctctccttt ctcttttttc cccaccttaa catttgctag	55020
ttacattatt ttctgcattt tcaaggtaaa aaaatacatt ttttctgtaa tgtaattcct	55080
atgagtttaa aatacttatc cttcatttac attgatccat ttcatgccac ccgttcttg	55140
aacatgctta ttttttaacc atctattaat tgcttggtt ttgttactga aaacaaacaa	55200
ctcaaaactt ctttccagac actttttaat atgctctggt ccctgagctc tctcatattt	55260
gagaggtaat ttgcctgttg tctttataga tgagcaacaa attggctatg tagatcactc	55320
ttaggtccca tacgcctttc caaagaagtt tgtgacattt ctccagcctt cttatttatt	55380
gaatcaggag attttgatga gtggttttca agttcaaatt actctgggga aattcacctt	55440
gcacaaaggt gccctaaata tacaacccta tctacctaac cagactcacc ttctgccttc	55500
taccaccca tgaaccagc gttggtcaca gttgcactga tcctatcacc aaattttaat	55560
ccttttatga ctcggttttg cataaaaatt tcatttgccc tagagtgttg aaacctcttt	55620
cttcatctag agacttgtag tgactcttca agacaactct accatgtgtc aggagaagga	55680
aaactggaaa tatccagtga atgcttccaa tgactataat gcaacctgat ttcaactcac	55740
ctaaacagag ctagtgacct acttctccag attctcaaac cactctgctt acccttctgt	55800
tacggcacct tccaagtttc actgtattat ctgtttatct gtgtttctcc cacgaggggg	55860
ctccttgatg gaaaggatca cattgcagac atggtagcta gcaaaactgt gttactgtaa	55920

283148US0PCT.ST25.txt

ccgctgagca actctgttca gacatttatc tacctctcat tccatattca cacacctctg	55980
agaactaagt gctattaaga aaactgaagc tcagaaaggt taaacacctt gctcagggtc	56040
acaactaata agcagtgagt cagaattcaa agcatttatt ccaattccag ctctttccta	56100
ctgtgtttta gtgaacctaa cacaatacac gacacatagt agtaggtact caacaaatat	56160
ttgttgaata tttgaatgaa tgcatttgct ttgtatacat ctagaacact cgcaggctaa	56220
gagactaggt tgccttgaat gattgtattc tatatttgca caatttcttc aacaattacg	56280
ctgttttatt ggctttatga aggcataaca ttgctcagag aagtaaagtg cattcgttga	56340
attataataa gtgactaaaa ttgaatccca atggttctct gatatatgta taggaaacct	56400
ttaactatat atagcagaaa agccaaaaca acaatggctg gaacatatat aatgttttat	56460
tctctcagat gaaactagac agatgtgggc attccaaggc tggcacgggg tttccatcac	56520
ttcccaggac ccaccttccc accgtcattc agctttagca ttttcagtgc acacctttct	56580
gtcttcaagg tgcctcatag tccaacgtgg ctctgaagc tccagccatc aactggctt	56640
tatccacaag aaaggtgaaa ggggaaagta taaaaatggg tgcctctgct gggcgagtca	56700
gctactttat aagtgagtct tccacttaag tcttgtacgc tgcataattg aaacacctca	56760
ctgagaacat ttcctttctc catgattgat ttctgcgact aatttctatt gcattctcct	56820
cctcatccga tatgcttctg gatactggag atcgagtgga gaggaagcct gagtgcctgg	56880
acttataagg ccttcttctg gtgatcagca agtaaaaca atatgaaaca caagatgaag	56940
ataagaaccg ggaggaatag cccaggcgtg ggggagagaa ggctggtttc caggggatgg	57000
tcagaggcgg cctctcgag aaggcaacac ttgatcagag ttcccaaagg gcctactgtg	57060
gggacctgaa ggaagagcag cgcagcaggt gcaaaggccc cggggtggag gcatacttga	57120
catggtggag accaggaagg agggccacga ctcggtccct catctctcat tccacttttt	57180
aacagtttctc tatttagaac tcccatgttt caatgagaac ctattataga aacagtctat	57240
caaagtcttg ccatttaagg gtgatcatta agagctttgc tttacttctt cacacagaga	57300
aggggtggga gaggaggaa gacagtgtga agcagacaga cagaaactcc cctttggctt	57360
tgaaggtgta ttctttgggg gtgccgacat attccacaag acaaggcagg gcacaggag	57420
gctgggcgtt cacgtagaca gtgtgtcttc cagcagaagg tgtgcgtgac gcccgcctgc	57480
acaggaacgg gtgcaagcac tcaatacctg gtttctatcg gggcactgcc tgggctctgc	57540
tgtttcaaca atgcacttg cttcttccat gaccagagt tgctgcagaa accactgctg	57600
agagtacgat tgattctctg tatgccgacg tgtccaagga cagttagtag gagcggaggt	57660
ttcagggcat caaggagtac tgtccttgca cacgggcaag gtactgataa gctgttgtct	57720
gaagcccag agccggtgca ccctgccgtg accaggcgca gctctgtgct gcaggataac	57780
gcgagctatc tcatcactgt ctcatcactc aaaaggcttc tgatgaaggc cgtggctgaa	57840
tgggttcggt ctcatgctaa caaatcttg atgcggatgc accctccatc ccatgtttaa	57900
gatctttaat tttatgggta cgagtaataa aaaataatca ggctgtgtat tttctgtatc	57960

283148US0PCT.ST25.txt

cactgatata aatgttggca tcagcattat tataatctta attaccatca ttggttacac	58020
gtgctaaaaa tgttcacgcc gtctaaaaga aaataaaaac aagcggcggc aggacccctg	58080
ctctcacaca gtaaaggcca ataaacattt atcgacatgc tgaggagagg agattgtcat	58140
atcctattaa aataaccaa gataaggttt taaagaattc aacctgtcgg gctgtctttt	58200
catacgaagg ccagagactt cccggaaacc gcgatgtccg cagtggcgtg gtaggatctg	58260
gttggttaact gtgcaccgcg gggatatgtga gcgcaggcgc tcccggagca gcgacacaga	58320
cctgttcatt tgaaaggcat tagaggagaa actcctgcgg tcagccttgc caacctcctt	58380
tgtccccgtg gatgtgtctg gacacccttc atcaccctcc ctcgggggac gggaagcctc	58440
agttaagagc gaggcccagt gccctccctc caggaaaccc cataaccttc acttccaggg	58500
taaggggctt cgtctacaca agctccaccc gtcagcccca gcagcctttg agctagagct	58560
ggcggagggc accgcctggc tctgtttctc ctccaccgcc ctgcccttca gagagccagg	58620
ccagggagtg gaggcattgag gggcgaaccc taggggcgtt tgcctgggat tctgctgttg	58680
gcctccctgc tgggtgtggc tgaggccga tgcctactgc tgcattggcg cacggcagcc	58740
cttgccccgc caccatcc acagccctaa ggaggcttcc tcagccgctc tgtggagctt	58800
tcgaggatcc gcttgaagat gtcagcacac tcctccctgg ccggcagcca atagtttgtt	58860
tattgtcttc aaagcacact cacactcttt cctcccgtcc agtccatttt ctgaaaacac	58920
tgagctcttg gctcacggtc aatgccttct gcttttatct gctcggcctg aaacagtgc	58980
gtccagccaa gaggcagag ctagggctcc tccgatgctc ctccgatgct ccaacggtgg	59040
tggccctgct cctcgatgag gccggttccc gcaaggccga tgcttaggca tttcagagag	59100
atgcactctc cctcttctta tcgctttccc ctctgtcttt attaaaatta ggtgactttt	59160
caagactcca tgcaaaagggt ggcattgcata gctctggcca tgcaatagaa actaaagtaa	59220
ggttcccgtg tataatccaa tcacacagct gccccgcctt ggtctcacac caggctctgca	59280
agatggcagc ccctttgggt tgccctccag ccttctctta agtcctggag ccgctctggt	59340
aattgagcct tccttctggc atcctctgga aggctaattg aatacagcag gaggcagtca	59400
cagagctttt tagcatttct acttcctttc atttgcacac ttttccaata ggaagcaaag	59460
ctactcaatt caggagagaa ctcccccttc ttcctactta acctttctcc tgcatacaca	59520
atcgggctac tcaaaggat gctgtttcct tccgcgtaaa agtttcctcc taattacctc	59580
gaggcatcca ggtgtggctg aaaatatgct caaccccggt tgtaaatatc tgcacctaag	59640
ggcagtgagt agcagagcaa aacagcttgt gcaggcgca gtgtgcttaa aacaacctgc	59700
agctatttat cgggtgactc agacaggatg caggggccag atggttagca tcttgcaaag	59760
gctgacgggc actttcattt gattgtttta gaataagttc acaccggaaa ggggatttca	59820
cacgtcctct tccattctgg attttcagtg tttcattaag ctactttata aactattatc	59880
ttggagaaga aacaaaaaaa cttttaatta tgtttccttt gcattggcgg tcaggcagac	59940
agatgaaatt ttaattatt gaactgctcc aagggtgtgcc tgtaagtata tctaaaatat	60000

283148US0PCT.ST25.txt

gtcttgaaat agttattgta ccttttttcta gaaaatgata acttctatgt tttcttttgta	60060
aaataaaaaac ccacttgtaga ctggtatatac aggaagaagc tgacctgaag ctgtctaaat	60120
aataaaggca aaactagtag acccccaaaa acgatagagc tcaactttct ctgtctctgg	60180
cacgtggaga aggcataaaa ctatcaaaag ccccaggaat tgaacttggg aaaacttggt	60240
tcaagtcggg tggggcagtg ggcaaagggt tgatgttggt gaatgtcatg gacttcataa	60300
tcagtaggca taaggatatg atcgcttaga tgttttagcgt ggcagtgaag tagtaaaagt	60360
gcataaagggt agtcttttaa gagtgagcga agcaccatgc cgggtaggta ttgaagccat	60420
gtcagttact aagctgaaca tcaacaatct gctttggtgc tttggcacat acctaaaatt	60480
gtcaagttag tccttttattg aaaggtaagg atgcttggtg tctagtttct ttggatgttt	60540
ttatttgga aaccttgggt gaagtgtcat taaataatat atgatactgc ttttccttct	60600
ttccttctc ttccttctc ccttctctc tcttctctc tcttcttct tcttctgacag	60660
ggtctcactc tttcactcag gctggcatgc attaggtgct atcagagctc accacagttt	60720
cgaaatgcc aactcaaggg attctctcac ctcagcctcc tgagttgctg ggactacagg	60780
catgcaccgc acctggctaa tgtttaaaaa tgttttggtg gggcgtgggt gctcatgcct	60840
gtaatcccag cactttggga ggccgaggcg ggtggatcat gaagtcagga gtttgagacc	60900
agactggcca acatgggtgaa acccgtctc tactaaaaat acaaaaatta gctgggcgtg	60960
gtgtcacacg cttataatcc cagctacttg ggaagctgag gcagaagaat cgcttgaacc	61020
tgagagatgg aggttgtagt gagctgagat catgccactg cattccagcc tgggcaacag	61080
agttagactc catctcaaaa aaaaaatat tttgtagaga tggggtttct tttgttgccc	61140
aggctgggtc tgaactcctg gcctcaagcg atcctgcca ccatggcctc ttaaagtgtc	61200
cggattacag acgtgagcca ctgtgcctaa taatgctttt caaatgtcaa catgcacaca	61260
aatctctctg gcgatctcgt taaaatgcag agtctgattc aggagggttg gtggagattg	61320
agagcctcat ttctaaccag ctcttggtg atgctgatgt tgggctgggg cagcatttc	61380
ggacagttag gggtggtgga tgtgaagcag acagtagaca ggaaatgcat gttgagaaga	61440
ggagctaaat cctgaaagtc agtggccctc accttattcg tcttctctca aactctgcct	61500
taccagggg gcacagtaat acgccttaca agtcctgagg tggaaacagga ggatggactc	61560
acagacatgg caggaaggga gctgggaacc agaactgtct gggctctgag gctggagtgc	61620
tgagggcctc cgccctgact aggggtgtct ggtggaggat ccagcacaga cccactggct	61680
ggaaggatcc ctgtaaaatc cctgaaagag aggaggagcc tcaccccaaa tgaatgcctc	61740
ttctctaggc ctctctgcag ccacccatgc atgccagagg tccatgcaag atttgcttc	61800
tggagcttgg ggagaagtaa ccagaagtca tgtaaacatc atgggtcttga tcttttccct	61860
tcctgctgat cctgtctcac tccagtgtg ccctcaatga ctttcttct ctttttctgc	61920
aaatgtacct gacggcttgc cagacagaat ttccatgctt ggtagaaaag gacgatgcag	61980
ctgagatgtg agatatttat tgcctctcga ctggagtttg tgtgacaccg cacctttcat	62040

283148US0PCT.ST25.txt

ccgcacgttt	gtctcccatc	tcataaaggt	cagagttctc	atctgtgcac	cgctctcttg	62100
cttgacaccc	cttccccagg	tgccctcatc	cccccatgac	ttcagctccc	tcattctacat	62160
cctcaacttt	gacttccacc	ctcacatcca	ctgctgcctg	cgcggaact	cccagggctg	62220
tgccatggat	gccccatgcc	tagctttctca	aacagaaggt	ctcaccctgc	catggcctgc	62280
tcctcctgct	gaatctaagc	cccactcagc	cattgcagcc	aaacatactc	tgctctttcc	62340
gaacaagacc	tgggctggca	tctcacaaga	tcgcatggcc	tgagtccatc	tgcatgccga	62400
tggcactcaa	atccactctg	catctccaca	tgcctagcct	gcacatgcct	caaaaaccaac	62460
atgatcaaag	cgtggtcttt	cctgaacaga	cccaccagc	ccaccctaa	ggtgccctcc	62520
caccagcctt	ctctgcaccg	ataaacggca	ccaccagccg	tccacacact	caggccaacc	62580
agccgagcac	tcgccaggac	tcctccatct	cacagcccac	attccatcct	tcagcaactc	62640
tgctgccttg	acctcagagc	atatcccggg	ctcagtccaa	cctcctctca	tcccttcccc	62700
tgatagaaaa	gtcgccatcc	tttcttgctt	gggctacaca	gcagcctcct	aagtggcctc	62760
cccctggcat	ccttccccct	attccactcc	attctcccta	ctacagtgca	gcgtcagcca	62820
gttcagatcc	ctcccatgtc	ttccagcaca	cttgaagcag	aatctgccct	cccttccagg	62880
gtgcacaaag	gcctactgtg	gtcacgtcc	attcgtgcc	atattgcaca	tccattcacc	62940
tttaaagtgt	gttgggctga	gggtacgact	gggaaaggag	aaaataaaga	tctaattttg	63000
attaggcgat	tcattgtcac	acaatcattt	gaactgaaaa	tgcccatctg	aatgcccaca	63060
cagacgtcat	ctatatgaat	tggtataatc	agcacatgag	aataaaagtc	cttgccctgca	63120
ctttcctctt	ttcctttata	acagcagtgc	tcgcacattc	aattccggca	cggtcacctc	63180
tgactcgctc	gtcactgccg	cttgccatca	cagggtgtttc	ctggtcagtc	actgtccact	63240
ggctgcaccc	catggtgcaa	gtcattctg	gaaccttgtc	tttgagctgc	ttcctctcgt	63300
tctatctttt	gcagatacca	ctcctctgtg	gtctggggat	tttctctgcc	aagaacatca	63360
tgagttttg	gggtgcagtt	cccatttgct	tcttgacaaa	gggaaacaca	agtggtattga	63420
aagcaaaaac	ataagggtc	tttccccgaa	gccattcctg	aatcctgaaa	ctgaaagagg	63480
ggatccagag	gaagtgtgga	attagttatc	atggaaaaat	ccagggtgga	aataaattag	63540
gctaattgata	aaataattga	acaacattct	tgggtctgac	ttcttaagcc	acagtgttag	63600
aagttggcat	agaatctgat	cccttatggt	acaggatcat	ctatttcatg	ccgtataata	63660
tagtacagta	ggcataatcc	ttttggggat	agacttggtg	taaataaaaa	ttatgaaact	63720
taatgtcact	gtgtcttcaa	tcattttctt	ttcctttctt	tattattatt	ttgagacaga	63780
gtctcactct	gtggcccagg	ctggagtgc	gtggcacaat	ctcggctcac	tgcaacctct	63840
gcctcctggg	ttcaagcgat	tctcctgcct	cagcctcccc	agtagctggg	attacaggcg	63900
tgtgccacca	cacgtacta	attttcgtat	ttttagtaga	gacgggggtt	tcactatggt	63960
ggccaggctg	atctcaaact	cctgaccttt	tgatctgccc	gcctcagcct	cccaaagtgc	64020
tgggattgca	ggcatgaacc	accatgcccc	gcccgatcat	ttttcttttt	aatcacttac	64080

283148US0PCT.ST25.txt

aaaacattaa	ttttcaaaag	gagaaaagaa	ggtggggtag	actaggatcc	aggagaaaag	64140
tgtgttcacc	tgtgtgggac	tcagcaaaca	tttgacctct	cggggcctca	ctttccttct	64200
acctgaatca	tctcacaggt	gactgaaata	gattaatgca	gcaaatatct	atactgatca	64260
cctaccttct	atcagtgcc	ctatgcccc	aggcatgggt	ccttcataca	attcttttaa	64320
aataaattat	tacaaattga	tatcaaatta	ttatttggag	acagggtctt	gctctgttgc	64380
ccatgctgga	gtgcagtggc	atgatcatac	cttattgcag	ccttgacctc	ctgggctcaa	64440
gcgatccttc	cacctcagcc	tcccaggtag	ctgggactac	aggcacatgg	caccacgcct	64500
ggctaatttt	ttggattttt	tttttagtag	agatgaggtc	ttgctatgtt	gctcatgctg	64560
gtctcaagat	cctgggttca	agcaatctgc	tctcaciaag	tgctgagatt	acaggtttga	64620
gccaccatgc	ccagccaatt	agataaaatt	attataaaat	aaattaattt	tataataaat	64680
gacaaccatt	caaaataaac	cctgaagatc	ctttacccaa	ttactaagt	tacattgtat	64740
atgacagatt	atagtatcaa	acggcaagtc	tcagggccat	acactaagcc	ttatcgggaa	64800
ctgaaagtga	tccatctcca	agattttgaa	cacagaagtt	cccctgcttg	gccacagcgc	64860
ccctcttccc	ttgtcctttt	ccccttcctg	gagcatcctg	gggtagactg	actgtcaaaa	64920
cagcccacgc	gttccgctgt	cttgccctgc	cctgcatcca	gcctgcggtg	atgtcacttt	64980
gtggctcttc	tcatctggaa	gtagagggta	tttctctgca	ctcctgagtc	tggccagcct	65040
tgcaactcac	tgtggccaat	ggaatgtgga	ggaagtggca	ggtgcccgtc	ccaaacctat	65100
cctcagaagc	tgtctgctgg	gaaacaagcc	caggcaaadc	tgcgagatga	agagagacca	65160
cacggagccg	gcaccagtcc	atccggttgt	ctcagacacg	taggaagccc	agcaggatga	65220
gccgtcgcca	gccccccatc	ccgactcaca	gacttatgag	caaagggtcaa	ggtgtgctgg	65280
tgtccgccat	gaggttgtgt	ggttgttcag	tcccgtgtcc	aggtgatgga	cacctcctgt	65340
ccctccccct	ttcctcattc	tcccagcccc	tctccgttgc	acagtctcac	gtacctttct	65400
gtccacactg	atcctgaggc	agctgtgtga	gcataaactg	aggcaagaga	ccagcccaga	65460
aaggctgaca	gatttcaaat	ctcagacccc	aggtgacctt	gtggtaaggg	acattcctca	65520
ccctgggtgg	caggtgacac	tacaagtcaa	gtcggttaatt	ctaactctcaa	cttaggtccc	65580
attgatgttt	tgttattcct	gtctctttaa	atgacacctc	aggtgactca	atacatggac	65640
tttttcactc	cctccccctt	ggcccactta	cctgctacta	ggcctgctcc	acacaagtga	65700
tctcatatcc	aggaggtggg	gtgccccaa	caggagtccc	cctcctctcc	ctcctctctt	65760
ctttaagctg	tccctgctcc	tcctcacaca	ccccagcttc	ctgcattttg	cttcatgctc	65820
agagctagcc	agctgttcag	caagcactcg	atcagaggct	gttctacgac	aagggcatcg	65880
ttcctgcctt	gagtcactct	caagctaadc	agcgtgggtg	gctgggtggaa	aacatgcctg	65940
tgagaaaagca	aatgagtggg	tggcatcatt	gggacctcat	ataaagaaca	aagactcatg	66000
gagacactag	aaaatggaac	cgccccaggg	aagctctata	gagagaaaat	ccagctacac	66060
cttggaagga	aaaagacctt	tgtccagata	gagaaaggaa	aaaatagaac	atccatctac	66120

283148US0PCT.ST25.txt

ttcttgccctc gccacttatg ccgtgctcct ttgcaatatg gactctgccca ccctcagccg	66180
ttgacagggc tgtgttgaca accttctcga tgccaccgtt gcaagagctc ccaacccccct	66240
gcagcagcag ctactctgt tgactccttc ctgcctaata aaggctcatag gcaccattcc	66300
ttagtgctag ttgtcacaag accttgacc aaacacctta cgtcttattt cacccttgca	66360
acaactccca tttaaatgc agagaagcgc tgacagggcg ctgagataga tgtcccagggt	66420
tacaagacca cactagcaga atcatggctt caccctgagt ccggctaatt ccacatctat	66480
gcgcagccac cctgccccct gccttccctg cagggcgagt ggctgaacat tttctttggc	66540
tagtgcaatg gccacccctt ctttctccct ctgctctcta aatgtccttg accctcaact	66600
tcccaacaat gacttcccat ccctcacttc cttcctgtgt gatctccttc tctggagatc	66660
ccttactgcc tttctctctt tgcagccacc tctcaaatcc cagaagccag gatgttacat	66720
gtgcaatttc cctgcaagggt gccttaattt gggtttccta atggcatctt aaattcaaca	66780
tgtccagaat ggatcagtgt cttccctgaa aaccaattcc atctcttgac cattttctct	66840
aagtcactgg ggctaaaatt tagagggcca cttatttctg acagctccct ccccatcc	66900
ttgggccctc ccccatcca atcaactcct gtctgaaatg tgacttgtaa ccgccccctc	66960
cttgccattc cactgatag cactttactt attacttggt acttcttgct gggccacaga	67020
aacggctgga ctacattcc tgtctctggt ttatgtgccca ttcagagaaa ctctgagaca	67080
tcacctgacg aatcattgtg atgctcagct tgcaggatcc cacttctcta ctcagggacc	67140
cccagtactt ccccgttctt actgaataaa gtccaaattc tacacttcag tgttctagcc	67200
ccttatcacg tgggcggtga aacctttggc tgcattctcg acagctcatg ggcagggtccc	67260
ctctgctgtc acaccagag ttaggaaggc ctcaaattca ctccctgcac acttgcttcc	67320
ctgtctcctg gcaaactgct ttctctttgt tcttaactct gcctgggaaa atcttcccca	67380
tccttgaagg cttttctcca ctgttacccc tgcattgaaga cctcactgac ccccaaaaaa	67440
gtgtttgacc cagaacactt tggcttttgc ttataatatt tacctctgac ttggggcacg	67500
tgtttcattc tctatttgag tgtatgctct ttgagggtag gaatgagtga ctgtctggcc	67560
taccctgaat cttgactctc atgaatcaag tttataaat tgactcaaaa taataagtta	67620
gagttacaag aataagggtg taacgggtggt tttataattc agaaataatc cttttaaaaa	67680
tgtaaaaaat actctaaaaa agtcagctgt agagggttgc tcgtggttgc caaggagcaa	67740
agactttcag agagcttaac tccagtgggt ttgagcctct ttctgattaa agcatcagtg	67800
ccaatagcat tggatccctc caagaatgtg gtgtttggga ctttaccatc atttgttgt	67860
ggaattgtgt gtaggtctga aaattcaggc ctgtggggaa ctaactttga attttgataa	67920
atgactttcg tggtcagttc gggtcaccca gctacactct gttgtgtata ttttggcaca	67980
tctgctcttg aaagatatga ttatatgtaa ctccaacaaa tatatcaaaa gtgtgtttta	68040
atttttttgc ctttttagatt taatgaacca gttcctaaga gaaccctaca tgtttcttta	68100
gaagacctaa ccaattgata ctgcattatg acaaaccctc taccagaatt tcctcattca	68160

283148US0PCT.ST25.txt

ttcaaaatta	tgtttaaacc	cataatgtcc	acattctttt	tttttttaac	atgaggagac	68220
atcataagaa	atgaaacaac	agtttgagtc	agggcaacag	agtccaagtt	tccttccaag	68280
aggccaagtt	gttttagcag	aaaaggacat	tggcgcaaaa	acccacacta	ggtccaccgg	68340
cagcaaacac	agaatggtgc	cctcactcta	ggaagctggc	tgttccatat	ttttatacta	68400
gatttaaggt	tcaaaatttc	atgttggtgt	tcataaatgc	aaacacacaa	gccagcaaag	68460
aaaaaggaga	gttatattag	ttatatatttc	ttctcccatc	ctttctctct	ctctttctat	68520
gcaaattgtt	caatcacata	ggtttgacca	aatagctgcg	tcttacacca	ttctcctcta	68580
tgtaaagatg	taaagcaact	ctgcactttt	tttttttttt	tttttaagac	aaagtctcac	68640
tctgtggctc	aggttgaggt	gcagtggtgc	aatttcggct	cactgaaacc	tctgcgtctt	68700
gggttcaagc	gattctcctg	cctcagcctc	ccgagtagct	gggattacag	gtgtgtgcca	68760
ccacacctaa	tttttgtatt	tttattagtc	aggggggttca	ccatgttggc	caggctggct	68820
ttgaactcct	gacctcaggt	gacctgcctg	cctcagcctc	ccaaagtgtc	gggattacag	68880
gcctgagcca	ccccgaccgg	ccatgcactt	ggtttttgaga	gcagcacagt	ggcgggtctgt	68940
tctccctgcc	cgctgtctcc	aggagagga	gttgcttgct	cccttacagc	cctcacctcc	69000
catgggaccc	tgcaggtgct	gagggctcag	gcgcagctgc	tgccagtcgt	cacagccatc	69060
tcattccattc	cagagttgta	aataggctga	tgattccggt	ttttgttccc	agagctgtat	69120
atccagtggc	ctcctggagt	cacctactgg	gatggctgat	gatctccaaa	agtgtcaaca	69180
ctgtcccaaa	ctgagcacc	cgccccacag	cagagccctg	ccccagcgcc	tcctgttctg	69240
gctctatggc	aattccctct	tcccagcggc	cgagcaaga	gtcgggtccc	ctgcgccctg	69300
gcccagcccc	tgccgcccc	gcctggcctg	gatgttgcca	atggtgggtt	cccagtgc	69360
tgccccacc	ctttccctta	cccctttcag	cccgttcctt	actaagaagc	caccgcaatg	69420
ttggtgagaa	agtgggtcag	atgtgccaca	gccttaggcc	gcttcaaagt	ctaaccacgt	69480
cctgaaaacc	ttctggtttg	gttcccagct	cctgctccga	tctcgctct	atttgaaaac	69540
caccatcccc	acatcgcca	cctctcagtc	accccatcct	ctggctcacc	cccagaccg	69600
ctgccaattg	gggggacccg	tccatagcac	ggatggcgct	gcttccggca	cctgcgccgc	69660
ccgaggggtct	cctggccatg	gcctgggggt	gccacgcagc	cgtggccacc	gcatcctccc	69720
tcagtgtctc	ccacggctct	caatgcgctc	cccaagtgtc	gaccacgcgc	gccccacgg	69780
ctccccgaca	gctccgccac	gccctcccca	cggctctcca	cgctctcccc	aagtccccaa	69840
cggctcccc	aagcgctgcc	cacgctcccc	cacgactccc	ccactccctc	tccacgtgct	69900
ccccacgtgc	tcagaggagc	ctggacaggt	ggatccgggt	tgccccgggg	actcattcag	69960
gggtgagcac	accttgtagt	tttccctcgt	tgtttccctc	cttccctcc	tggaaatgcc	70020
tcctgcggaa	accactcaaa	cccttggtctc	aggaccatgg	caggggtctc	ctttcttaca	70080
gggctggctg	cttcctcagt	caaggcttct	ttggctat	acttatctaa	aatgaaaact	70140
ccagccatat	tctcagtatt	tcatagcctc	cttttccatg	ttgttctcat	tctttaaagt	70200

283148US0PCT.ST25.txt

actacctatt tcacctactt gtagtggttct ctgtatccct ctccctaccag aatgtgacat	70260
ggacggtaat gtcagccttc ttcactcctg gttaagcaga cttgagaaaa gggcctggca	70320
tacagtaggc attcagtaaa tgctttgtga ctctgtcgag aggtgacagc atgctggcag	70380
ccctcacagg ccttgctcgc tctcggtgcc tcctcggcct cggcgcccat tctggccgcg	70440
cttgaggagc gcttcagccc gccgctgcac tgtgggagcc ccctcctggg atggctgagg	70500
caggagccgg ctccctcagc ctgcggggag gtgtggaggg agaggcacgg gcgggaacca	70560
gggctgggag cggcgcttgc gggccagcta gagttccggg tgggcgtggg cttggcgggc	70620
cccgcactcg gagcggccgg gcagtgaggg gcttagcacc cgagccagca gctgcggagg	70680
gtgcgccagg tccccagca gtgccggccc accggcgctg cgctcgattt ctcgccgggc	70740
cttagctgcc tccccgagg gcagggctcg ggacctgcag cccgccatgc ctgagcctgc	70800
ccccgcaccc ccgccgtggg ctccctggcg cccgagcctc ccctatgagc gccgccccct	70860
gctccacggc gccagtccc aacaaccgcc caagggctga ggagtgcggg cgcacagcgt	70920
gggactggca gacagctcca cctgcagccc ccgggcggga tccactgagt gaagccagct	70980
gggctcttga gtctgggtgg gacttgagga atctttatgt ctactaagg gattgtaaat	71040
acaccaatca gactctgta tctagctcaa ggtttgtaaa tgcaccaatc agcactctgt	71100
gtctagctga tctgggtggg acttgagaa ctttatgtc tagctaagg attgtgaata	71160
caccaatcag cactctgtat ctactcaag gtttgtaaat gcaccaatca gcacctgtg	71220
tctagctaat ctgggtggga cttggagaac ctttgtgtct agctcaggat tgtaaagca	71280
ccaatcagca ccctgtcaaa acagaccaat cagctctctg taaaacagac caatcagctc	71340
tctgtaaaat gggccaatca gcaggatgtg ggtggagcca gataaggga gaaaagcagg	71400
ctctccgagc tagcgggtgg aatctgttag ggtttgtgtc tgtcgtgtgg aagctttgtt	71460
cattcgtctt ttgcaataaa tcttgctact gctcagctt tgggtccaca ctgcttttat	71520
gagctgtagc agtcaccacg aaggtctgca gctgcactcc tgaggctagc gagaccacga	71580
accaccggg aggagcgaac gactccagac gcgctgactt aagagctgta acagcttacc	71640
gctaaggtct gcagcttcac tcctgagcca gagagaccag gaaccacacct agaaggaaca	71700
aactccggac atgccgcctt taagagctgt aacactcacc gccagggtcc gcagctgcat	71760
tcttgaagtc agtgagacca agaaccacc aattccagac acactgtcat caaaaagtgg	71820
gatatctttt taaacagaga taacattgca gaatcttggg gttggaaata gacctcagct	71880
ggggtttagt cctgttttct cctcagagca gaagtcctgg gatgccgttc tggactgatt	71940
gtcagttttt tctcctgtcc ttgagctatt ctaatgccag acatctgtgg ctttacacag	72000
ccaggctttc agttagagaa cttgggttagc tcaggctaac aaatgctgct ctgagaacac	72060
tgactcccat gtggggagac tctgcacctg gagctccggg agagccggct caggcctctt	72120
cctgctatcc agggaactgc agtggcgttg gagggccttg ctggggctgg ggctggggag	72180
aagggtattcc aaccctactg ataattcggt tggaacaccc gggctgtgga tttcagaagt	72240

283148US0PCT.ST25.txt

tcttgggcag cctgattacc actggcagtg agccggggac gaagccgaag ctatgagtga	72300
cagacggaaa gaactggggg ctttggtgaa ccagagaaca cttagctcct ccagccctga	72360
agcaggcgtc accgcagggc ttatggtcct aagagccact tagtttcctt attcattaaa	72420
ctagtttaat ttgggttttc tgcctcctgg aggacaccaa gtcggtgtgc ggagggaccc	72480
tgtagacacg tgtgcaaaga ataagccgac gatcatggaa tttctgatga cgccactgac	72540
acgtgggatg gaggcctcct tcccagggca cccctacact catgacaatg aatcctggct	72600
cttattccacc cttttggatt tcacaagcaa gtagtaagta gaaaaatagt ttcattttat	72660
tttcagtaca tcaactgaat gtgctaatac ttgtatccac ttccacatgt aagaactctg	72720
ttacataaat ttgagaataa tctgctcttt gctattttga ctttattttc actgcagatt	72780
accaattgtc cctacaattt gcgttttata gtttacatca tcgtacactt gattttatag	72840
ggaacaaaag gttctcaata attacaaaga aatgtgttga tttaacatac tccaagaatc	72900
tcatgaacac agtccaaata ataattcaaa attgaaggtg gtatattggg ctaaagtgtc	72960
cagcaactaa ggaactaacg atgacttaac ttttattgtc ttgggtcaca gacacataaa	73020
attgactaga aaattaatcc tgggtatatct tttgtatctt caacatcact atgaatattc	73080
tactttttta gtgacatgga aacattcaaa ttgagacatg gagtctgaga gtgacacggg	73140
ctgctggagt ccacaccctg ttgaccaaat ccacaccttt ggtggccagc tccgttttgg	73200
ttttcaaact ttaagctcca ttgtatcccc aaaatatatg aatgaaaaca aatcaattta	73260
tttattttca ttttagttat ttatttgaga cagggtcttg ctctgtcgcc caggctggag	73320
tgggttggtg tgatctcgcc tcattgcaac ttccatctcc tgggtttaag cgattctcct	73380
gcctcagcct cctgagtagc tgagattaca ggcacggacc acctgcccg gctaattttt	73440
gtacttttagt agagagaggg ttttgcaatg ttggccaggc ttgtctggaa ctctgacct	73500
caagtaatcc tcctgcctca gcctcctaaa gtgctgggat tacaggcggtg agccaccaca	73560
cccggcccaa gtcaacgtat ttataatatg tgaattgttt gcacacctat ttcaagcact	73620
ggaaaagaaa aaaaagaaaa gaaacaggtc catgaatgag gtaagcagag ttggacccaa	73680
atacttcaat gccttctcaa caatttcttc taaatggctt cccgaaatta gctctgcacg	73740
acctatcttt cttggggggg ggggaagcga ttacttttta aaagccacat taaagtgtgt	73800
gttctatatc acgatggcag ttaagggagg ggaggcgtct acagctgacc tggggaagtt	73860
ttaatcattg aactatgcac aagtggggcc ggggcgggaa gcggcaggaa aatgaggcac	73920
cttctgcaga acctagccag cctgcaggcg ttcctgatct gaggaaaaca ctttaattaa	73980
tatgtaaaac agcagtgggg agaaaagcaa ggttaatttc caaaccacat cactaccagc	74040
ggtatttggg ttatgaaacc ttgggaaact tctaggagat cctgtttgaa ggcacagagg	74100
tgcttttgtg tgtgagtagc ttctgagatg ctcaaaagct cttttatctg ccccctgcag	74160
tgggtattgct ctttctgtgt ttaaaaacac tgcctttgac tggcaggctt ttgtttttaa	74220
tttgcagtg atcctccatt tttgtttgga acttgccctga aagcagcgtt taggggagag	74280

283148US0PCT.ST25.txt

agagctgttt gatttccttt gttgcggctt tcttagctgc tggctacctt tggaatgtgt	74340
gacacaggcg tctctcctgg ttaggaaaat gttctgtact tgcctggggg gagactgtag	74400
ctcatttcct gggttgagat ctaaaatcct gagcagagtt aagtgtatca aatagtggct	74460
gtgccaagga tcagtgtctg gtggagacag cggattttcc aaggatcatg aagtgaagaa	74520
acagctgaca agtctttccc tagcttgagc agaaacagct ccattcagtg cgtgaacaat	74580
taactcaatt agagaatgtg cagctttcta aagacgcgtc cactgtgagt gcgtgtgcct	74640
gcgtttcctg cctccctctc ctacacagaca cctcaaaagc aacatatctg aaaagtcctc	74700
ttagctaccc tgtctaggag aagtcagagg cttgaggacg atactgtgtt cctcccaccg	74760
cttggtatcc caccaacacc cgctcctggc cattagacac tcaagcatct ttcaagtagg	74820
gagatgactt ttttgggggt catagactcc tttgagaatt aaagtttacc ccaggaggaa	74880
aataatatct gcacatacca agatcagcac acactttcag gggttttccc atacctactt	74940
taagcccaat taggatttct gtactaaaat caatccctct gtcccatttc ctctgccaca	75000
gccgtatgtg cagccccacg cgttacttac atctagcctg gagggttaac tttgacttcc	75060
cagcttctg cacaatttcc ttctccatcg caggccggag tggctctccac attccccaag	75120
ggctcaccca tgacctttag aagaaaagtc aagcactagc ttggcactca aagtctaagg	75180
aattcttcat cccgtgctcc aggcacatga aatgcctgtg ttttcgtgag caaacgtttc	75240
tcctgtggcc ttccagtttc tcccagtaca tcctgtggac tatcgtggag gatttgcatt	75300
gcagtgtgtg cctctcaggt ccatgttggg gtgccctgcg tccgcctccc tctgcgcggt	75360
ccactcagct ggggtggcgtc actggtgact gggcttctgc ctcttcctt tcactgggag	75420
actcctcagt cagagtctgg gtcttcatct ctaaaccccc cggggcagca gcagtcctg	75480
attttgacat aggagattag gactgcagct tgtagggagg tggatgatcca cggaggggct	75540
tcttctgaag ctgacttttg tagcaagcac agtgttccaa cttacattaa atacacgtgg	75600
ggtggttga tatgacgatg gagaagatcc cacattgcac aagggtgggag cttaaagcccc	75660
agtcctcgcc ctgcagctgt agtacacagc ttcacagtta cgtgcactgc cacatgtatg	75720
taataatctg gtatgtaaca ggtgcttggt gaatatttgt tggatgaata gatgagtgac	75780
cctagaaaaa cacaatgcag acctatgggt agaagaagaa aagaacctgg agtttcctgg	75840
aagttagggg ttccagccca cctctgtcca cagccatgtg atctcacaca cacacacaca	75900
cacacacaca cctacacctg caccatgag cctccccact ttgtcaggga tcatgattca	75960
caggttatgc tgcattctct aacttttcca tttctttgca ctacttttt cactccattt	76020
ataggcacac agcaaccccc tctcctgcaa tgaccctgc tccaggcctc acataaacca	76080
cctgctatct gtactcggca gccctggtcc gaaggcaaac acagtcctgg ttgccccacc	76140
tgacgcaatt gtccttagca tttcttattc actctccagc tttcgcttgg ctctaccctc	76200
tgctgaaaca gtaaccctc ttgcctggca gagtcaagga aatttttgag tccagggcct	76260
tcaaccttgt gtcttcagga gcctctgcaa agctgggtgc catgtaggtg ggctctctcc	76320

283148US0PCT.ST25.txt

ttccactccc	tgctgtcttc	attctctagc	cctccgtatc	acccttctgg	gcaattcttt	76380
ctcagctcac	ttagcgaatg	taaggaagtg	tttcattttc	agtctttcaa	atcttttttc	76440
aaatacttcg	tattcaatca	tttcctcttc	ttggatagag	ttttgtgttt	taagtacagt	76500
gttatccaat	ggctagatcc	gcacctctag	ccagctcacc	actctgtggc	ccagactctc	76560
tttgccaact	gtttaactct	cgtgtataaa	tgacaggcag	ctgcatatgt	ccatatgtcc	76620
agctgtctgt	tctgcagtgg	gtcacttatg	ggatcagatt	gtacatctgc	ctgttttact	76680
tcaaattgcc	tcttctttgc	aagcatccag	gggtgtcttg	cctcacatac	aaacaaacac	76740
agaacaaaac	taaaaacctc	aaaggaatth	ctgtgttgaa	gaggttttta	tggtaaaata	76800
attaagttta	cttgcgatta	aaaaataatt	gtaaattttt	attaaaaaac	cctcaaaact	76860
atcttgctgt	atctttcttt	tattataatc	aaagtttagg	caagaagagg	ggatatctatt	76920
ggctcatgaa	gtttaacagt	tccctggatt	gacctagaac	agtgtttttc	aaaataagca	76980
tcaggcccat	ctagagagct	tggaaagaga	tctcactgag	tcagctccat	cttccagagt	77040
ttgtaatgca	gtgagtctgg	gagctgaggt	tgagaattcg	catttccagc	aaggccatga	77100
ggctgtctgt	gctgtctttg	gggccccact	ttgagaactc	atagcgtcag	gcaccacagg	77160
accagatgg	tcaatgatat	ccggagaatc	aagtctcgct	ttccccagtg	acacagaaag	77220
ttcctggcac	tcccaggcta	acatcctctc	tggagttggt	aatttccaaa	agagatcttt	77280
ccaacttcca	taaaaacttc	aaaaatatga	ctctggtgct	acatgagcta	cctgcttacc	77340
cctgggcca	tactgatgt	tccctgtggg	gtaacctgat	tctctggcct	gggtcacatg	77400
actgccttg	tgggtggcag	gctcccttcg	tgactgacag	ctttcctgcc	cgccccacat	77460
tcagaatcct	atctaaagca	aggaatgtag	ggcaaacaga	gtgtttttta	agtatatattc	77520
aatctctata	tctatctacc	tgcttacctg	tctgcctacc	cacctattga	tctaggccag	77580
ttacgtaatc	tctctgaacc	tcatgtttta	tttatccaga	taagtgattc	cataataactt	77640
acctttcagg	ccattgtgtg	gattagaaat	atcacctgct	tcaaacagcc	agcatattgc	77700
ctgcatcaac	tatgtagaat	aaatgatagc	tagatatgaa	gaggaaattg	cttcacacct	77760
gaccctgtct	ccccagtaa	aggtggttca	ttaggtgtct	ggcgccagat	aggggtggggc	77820
cagattgagg	atgctcacc	tatcactttt	ccccactcat	ctctaactcc	ttgaccagtg	77880
actatgacct	ctccatgcac	tcatgtgtat	atggagggtt	tccattggaa	aatgaggcat	77940
atattacaga	aacacccatc	acatatctgt	atcccttttg	tgagagggtg	aggggcacgt	78000
ggagtactcc	ttcctgtctg	taagttcatt	tttgtgtggc	tttcaccgtt	tgttccctgt	78060
tgaagccttc	tccaagcttc	gggtgttcac	aagtctccaa	gggtctctgt	agattagaac	78120
ttccttcctc	tttcagctga	taattacagc	tctgtggttc	tccctttag	gtctttcctt	78180
gagctccaaa	acagagtttt	cctgcagtgg	agcttctatt	cggataatta	gggcactcag	78240
ttgtattgga	ggaggggttg	attaactacc	tctgtctcct	gtgctacttg	gttctgggct	78300
tctacacatc	acagctacct	ggaggataat	catcatgata	ataactatta	tttactgagc	78360

283148US0PCT.ST25.txt

tgatgatgcc	ctaggcaaga	ttctttttcc	attgcattct	cccaaagcct	agaaggtagc	78420
tattcaattt	tacagatgag	gaaactaagg	ctgtgtgagc	taaatgcctc	cgctaaaatc	78480
acacagcagt	acaaagcgtg	gcaggggtgg	gaggcccgca	gagttgcgac	cccagcccag	78540
cctgtgaatg	cagactttct	gtgtgaactg	cgctgttctt	gcagctctct	ttggacctgg	78600
attgaagttt	tcccatgaag	aactggggaa	cattgaattg	ttgatgttgt	tgttgttgtt	78660
gctctgaatt	ggattacata	taaattctct	tttccttcaa	tattcagtga	gattttggca	78720
gtcaatggag	actcattgcc	taatggttgc	catgggtgat	tttctcaa	caactgctccg	78780
ggcccagggc	catcagagca	attcaccatg	ctgaagagac	gcctttgtta	gtccaaaggc	78840
aacctcaggt	aatcaactgc	ttgaccacc	tctgatttta	agcaccaa	taattttaga	78900
cgttgcatag	agaaaggctg	atcctcctgt	tttctctggg	agtggcaagt	gagcagctca	78960
gctggagcgc	ggcaggggtc	tgctgtgtgc	cctgtcctca	ccccatctct	gctttcacca	79020
agcaagagct	gcatttgggg	ttggccgggg	ctttctcacc	tctggagatt	cctggtccaa	79080
tgtcattggc	aagcacgtga	cctgagagaa	cctgaagatt	aaaacactgg	ccttcgaatt	79140
ctgagaagtc	ctgtcatcat	ctatcagggg	acttagcaat	accacttctt	ttcatagcag	79200
atatatttat	gtgcttgact	tacattttta	tggtttataa	aagctaaaag	caatcgcagt	79260
ttggggggcc	ctacgtggac	ttccctgcaa	ttctgtgatt	gtcccttaat	gaagtcaaca	79320
aacacaatgg	gcagatgaat	gaatgctccc	aacctaat	aatcta	aatatgaata	79380
aataatacta	aatatgtaat	ctcatttcca	tttggaacca	actagagctt	ctttgaaatt	79440
tggggctatt	tggaaagcat	tatagatcac	aaatagatgg	aaccataatg	gaaacacatt	79500
accgctcaag	aagattgaaa	atagccctcc	cgtaaacct	gtgttgatc	tctgtacttg	79560
tgaaggaaaa	gactctactt	tgacctgagt	gggctctgtt	gaataatatt	gaaaatgcac	79620
agctgaatga	ggctgcatta	gactgtccca	gcgggagaac	aaatcagaag	ttatgttgtt	79680
gatgcaaacc	gttttgtctg	gccacctttc	taacgtgctt	gtttttcatt	ttcctctttt	79740
tctgtctttt	ttgggaggct	gggggggtgg	gtattaccta	gggagagggg	aagccaatca	79800
ccatttgact	gtgtgttgaa	tttaaggacg	cctagaggtg	aaaagaggaa	accttatgat	79860
tgaattttgc	ctactaatga	aagtccatat	aaatcaaggc	tcacatagct	cttatatgaa	79920
taaaatatta	tacctggagg	caggaggatg	tgatctat	tactatcttc	attaatctgc	79980
aaatttgctg	ttcaaggctg	tggccacata	tcactgtgga	gaaaagacat	tcccttctgc	80040
actgctgttt	tctcaggtcc	agaacatgct	ctttcttttag	tatgacacat	gtcttttttc	80100
tgataatcac	ctggcttcac	tttttgtaag	gtttacaaaa	ttcattaggc	atattcaggt	80160
tcagaggttg	gtgaagtgct	tgaaccatat	ctttagggtga	ttactatccc	gcatgctgca	80220
ttttgtaatg	atgatgcttt	actcagttat	agtcaggtca	aacaagtgac	aatgataaag	80280
accattgtgg	acgcagcaca	gtcactgact	ggacctacaa	acacactggc	agggctgtgt	80340
ttgccttaca	atctgggctt	tataattaaa	ggaaacatca	gtgcttaagc	ccagaccttt	80400

283148US0PCT.ST25.txt

ggtggggcag ttatcatgaa ctctggaaga ttcgatccat taaatatttt ggtttgttcc 80460
aatcaagcag tgttcatgac ctactttgac aggtatttgg gatgtgcagt caggtgattt 80520
ttcttttaaa ctatcttatt aaccaagcag attcttccat gtggccatct gctcagtttt 80580
gcagccctca gctgttcttg gagctagaaa aaaattctcc tgtggaaaaa tcaatgtact 80640
tctctcaagg agatggagat ttaatatgtt acaggaatag atgcagtaga aattgataac 80700
ccttgttata tctccatttg attgagagat cttagggtaa ataaaatatg gctcaattta 80760
cagtcagatt acttaggttg ttattttaat aactaattca gtaatttttag aaagtaggag 80820
agtaaaactta tagcattttt aactaaaaat agatttcaga catccttcat gtaggtaatg 80880
tcttgttgag actattttcc tgggtgtttt gaaactgtgg ttctgtttgt agtttcgtaa 80940
gagctttgaa tttggctcca tttgggggtc agcaaattag tgtagtttgt tctggttttt 81000
atttgagggt ctgctcggga tgagtcccag gaatggatgc catgtttgtg aacagggccc 81060
actttcatct gagcatgtca ataacaggaa aagccagatg ggcagcaagc ctccaccagc 81120
acccccacca catctgcact catacccacc cctccgtgtt ggctccagag gtgagagctg 81180
ttttctttgt tcaccatttt aggggtgagcc cagtgaagg caggcagggt gtccatcggt 81240
ggatacatat ggagatcaag atgcctgact tccattccct accccagcac acctgctggc 81300
gggatccagg cacacagctc tcagcactgt gtttgccctt gaaccagtga ggggtctcag 81360
tcgctgactg gagggggcgg atcacgatcc agcaaggcct ctgagtgcc aacagtgctg 81420
taagccctct gtacagttag gagatccctg tggaagggtga tatcaccccc atttttatgt 81480
tcaaggaaaa gcagtcccag aaaggactcg ggtttgagtc ccgcggcagt aagtgtgga 81540
ggtaattcga gcgcgttttg gcttcctggc tgttctgtgc tctgtcctgt agcctccata 81600
aatacaggta gttggtgacc taaagattgt aatcttttagc atttttaca gccaaacatc 81660
tgtgaaaacc acagtagtat cattataaaa atcccatgta agtataaata gtatagtaaa 81720
attaaataac agcaactcct cttatttgaa tatagcagta tttttaggcc aagggttgtt 81780
ttggtcaaac atgatcccta tatctggaaa acctggtatt tttgggacat agtttcctt 81840
attcttgctg caagaatgac tttttctgga ttaaaaaata gactatggga ctactacctt 81900
gtttttctgt ttacagaagt aggctgactt acggatgtgg ggggaattatt catttacgat 81960
tatttcatga agccattcat cttcaggctt tccttccaat aaggaagacc tgaagttcaa 82020
ttagtggtc ccttacaatc tgagcataac atgaaattta cataaatctc tacttctctt 82080
ttgctttgga ttaatgaaat caaacaggca actagaatat gctgccagtg cagaatatga 82140
ataaaataaa taaagtattt accccagctg tgattgttaa ttttagtgta tagtgagact 82200
cctacagtgt ggtttgttat agattttttt tcttttttgg tctttttttt ttttaattga 82260
ggaattatgt tttctgtttt tatctctttt tttatgtgtg ttttgtggtt tatactcctg 82320
gattttccta ttagttttac ccctcctaaa attctagctc atcgtactta gctatgtttc 82380
aatatatgat tacagtgacc ctttaagtga acagaatgat ccctttgaac cgtggaatag 82440

283148US0PCT.ST25.txt

gtgaacgacc	ttttggaata	cacacagact	ctggtgcaat	gtagccagaa	aaaccaaaca	82500
aattgacagc	cagatgaaaa	gcgattgggt	caattgaggt	acacctgcca	aatcagggct	82560
gccagctggg	aaattcttac	gcattttcct	aagtggctgt	tacataaaat	attgagcctg	82620
cgtgtatctg	ttaagtcac	atggctctga	tatttaaaga	gccttgttct	tttatttttt	82680
ccttcctgga	atggggaatc	aagagaccag	ggtttacata	ttgaaaacaa	gaaaccaa	82740
caaacagtgg	cttattcttt	aaagtaaaca	gagcaaaggc	tatcagtggc	agatgtaacc	82800
aagagctggc	tctatgcaga	caaagaggag	attatgaaaa	caaaaatctc	ttccactgaa	82860
ataattatgt	ttaattactg	atccaggaac	tgcatttaac	gtttttcatt	tgcacaaatc	82920
ttaagggtaa	atgaggctga	caaatactaa	tcaggagaca	ggggagatta	tttcatgggt	82980
ttgggtggga	tgagcatcta	aaagcctatc	cttctctctg	gttttgccgg	cctagaccct	83040
acgtctccct	caaagatctg	ctgagaccag	aactttgagc	cccactcttc	ggggagtgcc	83100
agcccattct	ttccaacctt	ctttcttctg	catttctgaa	aaccacaaaa	ttgagttatc	83160
actgcggcaa	caccttgta	cttggtctgag	ctctttctct	ttagctgata	acttggggga	83220
acaaagcctg	gttccatcca	gggttcatat	ttgaaaacta	aataacaaaa	catagaatac	83280
ttgaatgaac	tctattctgt	cttgtatatt	gtccctggca	taccatctgc	actgaaagct	83340
gctcagaggc	agggatactt	catgtctctt	ttttcccagc	tcccagcagg	atattgagtc	83400
aatcgtgaat	gatggatgga	tgggtggatg	gatgaatgga	cggatggatc	tgggatcggt	83460
tccaagtgat	tgactgtgg	ttcttaaagt	ttattcagat	atttgggaaca	agatcataga	83520
ctatctccta	cagatagtaa	aaaattcaat	cctttagcca	actggtggaa	ggagatcaag	83580
gctatccatc	tgtaagattg	ctccagagtc	atgcctgatg	ccatttcaca	gagaatgtca	83640
accctgctct	tgctttactg	tgcgtttccc	gtggcagggc	tgatctctga	gaactgtgaa	83700
gtagttgttg	attgttgttg	tttggttgtt	agagtctgac	ccttgttgga	gtcattccgt	83760
gttctaaaaa	gtctccactc	ttttagagaa	aatcacagtg	ggcaaggggt	acaatggcag	83820
cagaatgttt	cctgatgaga	tcaatgcacc	cttcaaaatc	ccatgactga	cccttcacca	83880
aaggtcctaa	acagaatacc	accaaggagt	taaggactgt	ccagtaacgc	aggtattgcc	83940
aattcacttc	tttaccctaa	aaaacaattc	ttgctttgag	actccatcag	cagtccctgt	84000
aaatattaca	caaagcacta	attttcttct	tctacaaaag	cagtaatttc	tgtctccttt	84060
actctttttt	tatgaagttc	tatggagaac	tgtaaataat	ttaattcctg	ctgtgtatga	84120
gagatcagct	ctgatttcta	agtacaaaac	taaacttcag	caagctataa	gaatagtctg	84180
tagtcctggg	gattgacact	gtgataatat	atctctaaat	ggtgactgtg	tgaacacagt	84240
attacagtct	taagaaatag	atttgggtaca	aataattatt	actagcttgt	gtggatatatg	84300
ttgcatgtat	gtgatacatg	gtgtcacgtg	gtgtatgtac	atagaccata	tatgatgtgt	84360
ttatataggg	gtatatatgt	gtatacacac	acccttttca	gccttttttg	atatggctctc	84420
gatttctttg	caaaacatat	ttattttttc	atcccaagaa	aatatttgtc	ttgcagaagt	84480

283148US0PCT.ST25.txt

gcactggaaa tacttaggtt gttgattcaa aataattatc cttgaaaaaa gcatgatttg	84540
tgttcagtct cacagcacca tttgattgct tcccatgccc tacagaacta tatttataaa	84600
aggattttgt ccttttgccc tttccataac tcacatcaa ctgtgaatca agtttcagta	84660
acaatggagg ctgttttcct gaatcaacag gcaagcttta ttgctttttc tttttcaggg	84720
cttctttact tgctcatttt ccagagtctt gctgttctag actctcattt atattaatca	84780
gtcagagtcc ctcatctgct tactgaattt gctgttgccct ggaagaattt ccaagtactc	84840
ttttgcaagg aaaacaacat atttttagt aggaagtaga agttgcccac gggccactta	84900
caatccaact ttcaatcagc agcttgaatt agatatttg agtttagattt ttttgtgtgt	84960
cttgtttatt ttataaaagg acattcttat ttctcatttt tgagtttaag ttggctaata	85020
aatgtataat gtgactttcc taagaagtca caatattact taatataat tactatatta	85080
tatagtattt atatattata tagtattata tatattataa taagtataat aaatatttac	85140
ttattatgta ttatttagcc agtaaggact tctaaatggc tttctaaata aagcagattt	85200
tcttttcttg tagtaaaagc aaataaaaata agacaaaaa tatttcagag tattatcaaa	85260
tatccaccac acctatactc cctcagaagc ttctgtttct ccctccctgc tatcaattta	85320
gttacaatgt aacctcatta aaaataggtt cctttcctct ggggcacctc gtaggatggc	85380
ttcctccagg aagttcccaa aatatgggga tggatagccg gggtcattct ctgccagctt	85440
tgggtctctac atgcttatac ccacttcagc cagggtccac ttcctctagg actttccgtg	85500
gcttgatgcc taggctggct gggtcattct gaaggggcca gaacacagaa ttgcaggtag	85560
gaaaaaccct aaggtttatg tgtgggtatt acctgaaggc tttgaggcag gtgcctcttc	85620
tagatgatct cagtgagtct ccactccaac tctggcacag cccactgtgg caggctctaa	85680
gcttcagaga ggtttaggag ttggcctagt cgcagacagc aggtgggcaa gatgggcatg	85740
actgcaggtg agcacgagcc tgcctctctg cagctttctt cctgggtcca atccttctgg	85800
aacagagggt cttgccctgt cctcctatcg ctgtggtctt agacctgcag gctctcgaga	85860
aggctccttt tatacatctg ctgtttacct cccgcagatg cttggagctc cattggtcac	85920
ttgccccatc cctgctggag gtaaatacct aaggctcctc atatcctgcc caccattcac	85980
tcactcattc actcattcac tctttagacc tcttaccac ttcaagtcatt ttattacatt	86040
cactcactca ctactcatt cattcttgta gcctcttacc cacttcaagt catttattac	86100
attcactcac tcactcactc attcattctt gtagcctctt acccacttca agtcatttat	86160
tacattcact cactcactca ctactcatt cttgtagcct cttaccact tcaagtcatt	86220
tattacattc actcactcac tcactcattc attctttag cctcttacc acttcaagtc	86280
atttattacg ttactcact cactcattca ttctttagc ctcttcttac ccacttcaag	86340
tcatttatta cgttcgaggc actaggaaag aatttcccat ttcaaagaca tgcagttttc	86400
tggagtggat gacctctgct ctaaacaatga tactaataat agttgttatt attacctata	86460
tcaacagcag tatggattga attgtgtctc ctccaaattt atgtgatgaa atttgaaact	86520

283148US0PCT.ST25.txt

cccagcatca cataatatga ttatatattg	gggacagggg	ctttagagag	gtaatcaagg	86580
tcactatggt tgctgtcctt agcgaaaggg	gaaagttgca	catagacaca	agcatagagt	86640
aaagacgatg tggagagact cagggagaag	ataggcgtct	acagccaggg	agaggcctgg	86700
agcagagcct ccctcacaga tgtcagaaga	agccagccct	gccaccacct	ggatcttggg	86760
cttctggccc acagaaccgt gagataatca	atttctattg	tttaagccac	caagtctggg	86820
gtactttggt gtgacagcca tggtaatgta	atacaaatag	gaataatata	tatatggaaa	86880
tgtaggcctt cgctacgtgc aagggtatggt	gaaaattgct	tttagtgag	aatcttactt	86940
aaatctcacc caaaccttca tattaccagc	actactaaga	tttaaagatt	aagaaactta	87000
tccaagacca gacagctagt agatgagaaa	cccaggggtt	aaaccacac	ctgtgactct	87060
ggagccatca cctttaacca tcactttgtc	ttattttccc	ccaggctgaa	aaagtccttc	87120
ctactcactg gatgtgagtc ctgctgtcc	cattgtaaac	tgtccctctg	cctcaaagt	87180
caacagcaac attgaaacaa cagtattttt	tttttcaa	cagtataata	ttcagaggac	87240
attaaattaa gtaggcattc tcatattcct	ggctccaca	tagcagaaaa	atctgttaga	87300
atgaagaagg taatctcatt agtgaggtat	tacgttgacc	tgaggagcaa	atgctgttgt	87360
tgtttctggc aacagaggat tttgtccctg	aacaaaagtt	agcctggcac	tgtgaagtag	87420
gcttttatat gaacaggtca ctccttgcaa	cagcaacaag	tgttgcttca	gaatgagcct	87480
ggctcctgcc atgtgggtca gggctgacag	cagggtattc	acatgtgaca	gatgactaag	87540
ggtttatgtg gacatggaag atttgaggct	cctttctgcc	cccacctct	cactgaggca	87600
attgaagatc tttttctcct agcagaccta	gaaattgttt	gccagtgggg	gcagaatgag	87660
ggaggggctt tgaaactcag ttgctacaag	ttagcgtgta	cgtttagatg	aactcatgtt	87720
aacaatatac ttttccagt	gatccattcc	agattaaact	gtggcttttg	87780
cttccttttt cttattgttt gatatttatt	gcttttttaa	aagatttgct	aatcttacac	87840
gcaaaacttt cagacaaaga cttcagggaa	taatctttca	tacaaagatt	tcaggcaata	87900
aatttctagt gtttatacag ctagcgaata	gaacttcttc	ctaaaattgt	ttgaagccca	87960
aaatctaata gcaagagatt ggctctcatt	tttggtagcc	ttgattgaag	ccgattgatt	88020
gaattgctgt tcctgtcaat cttgtgacat	tcttacacta	atgaggtaaa	ataaatgctg	88080
agtcctgagg tcacaccagt cctcgctgca	catgtccttc	acctgacttg	atattttgaa	88140
atttttatcc ataatagagaa gttgagatct	atcgccccct	tttgtgtgtg	tgaaaatatg	88200
gctgggtttta ctcatgggtc tgtccttgta	aacaattaca	ctttctcaac	aattgagatt	88260
ccaaactgtg agccgaccct tgcttccaca	gagagaggag	atggtagaga	ggcaggaagc	88320
catggagtcc tgtgggataa cggcccccag	aggacaaggc	gacgttaa	gatggcatgc	88380
atggtaccca tccaataagt tctattctag	ttttcccat	cgatgggctt	gactatgacc	88440
agggaatcat acagctttgg aacagaaaag	aatcatctag	ttgtgggtcaa	atgtcacact	88500
ttttgggaga aaaacctaga ggtgagggag	acacagtgac	ttgttcaagg	tcacataact	88560

283148US0PCT.ST25.txt

agtaaatgtc aacgctggga tgataaaccg agtcttttgg gcatgagttc agtatattttc	88620
aacagaattc acatactgct atttcacaaa ttagaccag tttactaatt gttgccttat	88680
gctagatctt gagaggcaac agctgtgttt gtccttatcc ttgacaccc agagcctagc	88740
acggtacctg gggcacaaga gaaactcaaa tgtgtttgcc aaattaaagc actaagggaat	88800
aagcacattt cctcttaatg atcactttca aaataaatct actattcatt taggaatact	88860
aatagctttg acccttcact tgctcacgat tatggttgcc taaggttaaa aataaggtaa	88920
ggtaatgaat gtaaattcat ctctgtctgg ctctttgtta ttggtgatag tgaaaagttt	88980
catggcaaaa gaagatacaa atcaatgaaa aaaatggagt ggggagatac cttctgtctg	89040
tgctgcgtgt gttcccatg atcataaatg gagaagtggg ggcaatatta acgaaatgtg	89100
cacttacaaa gcctgtgctc agcaactttt gataatattt aagtccatta gggcctaccc	89160
atacagtcac agatccgaag aggtcgatta aactttgaag agcttgttta gctttgttgc	89220
ctccaggaag tccgtaggaa aaagtatcag aaaagcataa aacaaaaaaaa agttaaaaaa	89280
aaattatttc ttctatgtgg tgtggttcca agaaaggact ataacaggct tctgccctaa	89340
attgatcagt gtaagctgac atttgaagat aaagcataaa tactctaaga ctgtaacata	89400
ctatacccag agtagtaaga acaattaaaa ataggctcct ggggaaaaaa aagattccta	89460
aaactgaaga gaaattctct ttttctatta tataagctat ataccaatgt ccctcaactt	89520
atgatacagt tacatctggg atggtttggg tctgtctctc tgccaaaatc ttattgcaat	89580
ccccactgtt ggaagagggg cctggtggga ggctattgga tcatgggggt ggatcttccc	89640
cttgctgttc ttgtgacagt gagttctggg tgttgaaaag tgtgtggcac ctcccgttc	89700
actctcttcc tctgtctcca gccatgtgcc tgcttcccct tcgcccgcac atgattgaaa	89760
gtttcctgag gcctcctgag ccgtgcttcc tggagagcct gtggaactgt gagtcaatta	89820
aacctctttt gtttataaat tatccagtct cagggtatttc tttatagcag tatgagaatg	89880
gactaataca cattcctata aaccattgt aaactaaaaa tgtaagtcga aaatgcattg	89940
aatacaccta ccaaacgtca tagcttagcc tagcctaccg taaacgtgtt cggaatactt	90000
aacattagcc tacagtggg caaaaccacc tcacacaaaag cctgttttat aataatgagt	90060
tgaatatctc atataattga ctgaacagcc tcttgaaaat gaaacacgga atggttattt	90120
cagctctgga aatacagttt cactggatg tgtgttgctt ttgtgccatt gttaagtcaa	90180
aaaatcctaa ggcagggcac atctgggttt tttttttttt tttttttttt gagaaggagc	90240
ttcacaccat cgcccaggct ggagtgcagt ggcgccatct cagctcactg caacctccgc	90300
ttcccgggtt caagagattc tcctgcctca gcctcctgag tagctgggac tacaggtgcc	90360
cgccaccatg cccgactaat ttttgtatgt gttagctaga gattgtagct gtgtgagtgt	90420
ggtttatttc atacggaaca gaaatgtttc ttttagtaga gacaggggtt caccatgttg	90480
gccaggctgg tctcgaactc ccgacctgt gatctgccct tctcggcctc ccaaagtatt	90540
gagattacag gcgtgagcca ccgtgcctgg cccatctggg gttttttgta gtgtatctta	90600

283148US0PCT.ST25.txt

gttgcaatct agaagaatct gatgagtttt cactgtgtag gcttattaag acttgctata	90660
tttttactgt gtcctttacc ttcttaaaat gcatttataa tttaaaaagt ctgatctcat	90720
gtatataaac aatcctcaga aataatttga atatgttcta agtaaagtta ataattttca	90780
attatacaaa ggccaatagt gggtttattt tgtttgtatt ccatgcagac ttaagttgct	90840
tgcaagataa tctgggaaat tgtaggcttt ttggtggtgt tatagaatcc agaatttggg	90900
agtctccact gtagaccaaa tgctctggag tacgtgaaat ttgtctatca gcaaataaac	90960
agactagtta acctttctcc aggcagtgtc tcccctccag ccttcaggca ttttgcctaa	91020
atccccattt tttttctctg ccggctgtct gctaattcct cggaaagtgt tagctgataa	91080
cttaaggtgt gaccactctc aggagtattg catttcaaaa gaggcctcca agatagaaaa	91140
tacttcactt aaaggagcta gacaaggaag gaaggttgtt attttttaac ctgcttgtaa	91200
gttgagttcc aggccattta actcagtctt tagcgagatc ctctgtgagc ttccccactg	91260
catgaatttc cctccaattc tgagagccag tgactctgga cggcacttcc tcacttgaaa	91320
gcatcacatc acaatcattt cggcctaaaa cttattactc atctgtgtta gctagagatt	91380
gtagctgcgt aaatgtggct tatttcatcc agaacagaaa cattaaaacg attcgactcc	91440
tgaggagcat cttaatagtg tgtgaaagga agaattcata tttccagaac tctgtacctg	91500
ttacagctca ggcggctctat gctttcataa acatagtgc atattttatg cattgatctt	91560
aaaaccctat tacaaattct attccatatt ttcttagaca tttggacaca cttaaagctg	91620
aagcaaccat gtgtcagggg tcgctcatta aggttttctg ctcaaactctg tatgaacaat	91680
gtatagatga catataccta tatatgtaaa tatgtatata gattatgcca gtatcttcca	91740
tttatttctca tataattaga gttataacaa caatgattta tatgttcaaa agcaaacatt	91800
tattgagttt attctgtggg cagcggatac tagacattag atgtgcagat agaaatgtat	91860
atagttcagg gcccggtgca gtggctcatg cctgtaagcc cagcacttcg ggaggccgag	91920
gcaggcagat cacgatgtca ggagatcaag accatcctgg acaacgtggg gaaaccagt	91980
ctctactgaa aatacaaaaa ttagctgggtg tgggtggcgct cgcctgtaat cccagctact	92040
tgggaggctg aggaggaga atcgcttgaa cccgggaggc agaagttgca gagagccaag	92100
attgcgccac tgcactccag cctgggagac agaatgagac ttcacttcca aaaaagaaaa	92160
aaaaaaaaata acagagcttt aggttatgag gggttttgtc tcctcatccc atttcagttt	92220
ttctgaaaaa gtgaagacac ttaactatgc tcacaatttc aggaaatatg ctcagttttc	92280
agtttcttca gctcttacag ttacaactat ctaatcttta tttgggttgg tcaaagactg	92340
cagccaacaa tctgagaata tgcttcctaa agtggttttg tcttgatat ttaattgagg	92400
aaggatatatt ttatattcac acatgcacat gtgacttcta tcttcagata tcaatggtca	92460
aacttaggaa gtgcagcaga ggtgaaggag tagtcagctt tcttcccact tgctcttgca	92520
aattggttgt gatctgtacc catgggtaaa catctatttt ggcacacata caaaaataaa	92580
atcagaatct agagttggta aaatttgatg aatgattcct agtaatttag ttttacttta	92640

283148US0PCT.ST25.txt

caactctaga	aatTTTTTaa	atcttttctg	cataacaata	ttgtttttta	agttttgggt	92700
ataaaaaaat	gacatttctcc	ctgaaacaag	caggcagctc	tccattcagc	agaaagttat	92760
gcaataagat	ataagggatt	gcagagacgt	tctccatcct	cctctctctc	tctcccttct	92820
aaggggaaaa	cctcctaagt	taccttgggc	aggtgcctac	atttggtact	cctggacagc	92880
tcagccatct	gccaaagaac	aattctatat	agatgcctga	cctgctcagt	tcagaaggag	92940
ttttcttctg	actgctgcta	aataagccga	ctgaatgata	cattttatttg	ttaatggata	93000
ctcttttttg	gctctcaatt	taaaaacatt	ttttaatggg	caattgaaaa	atatacagat	93060
gaagaggcca	tgggtctaatt	agaagccatg	gagtcatcac	ccagcttcag	cagctataaa	93120
ctcaggatca	gtcttgtttc	acctagagct	acagtagaga	aacaaagtgt	ttggaaaact	93180
ggagaatcaa	caatcttggg	gagcagtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	93240
tgtgagagag	agaaatctgt	aggtttgggg	ctttattgtt	tttcctaata	tgtaatatag	93300
cttgtgcatc	catataatat	tattattgga	agtatggctc	caaaaaattt	taggcctata	93360
ttttaatttt	aaacttaatg	actaaatgtg	tatatTTTca	agatatcaga	tatccacatg	93420
taaacaaaaa	atacgggtcaa	ctttctggaa	gttcatatct	ctagatagct	atctctgtgt	93480
ggataaaaca	tctagtttat	gtttaacaat	gaatgaagaa	tgggctctgg	tcatagctga	93540
acagggaaac	tggggtttgg	ccacttcagg	gtgacctcag	gcaagtcatt	aaatcagtta	93600
cttgggttta	tactttcctg	tttctttcat	ttatttatta	aacatatatt	gagtggatta	93660
ctttctacca	ggcactgcag	agaacaaaac	aaataaatcg	cctttctaga	tataaagtgg	93720
ctccagtcca	gaggggatga	gagtagaggc	tggatattct	gtccctaacc	tttttggcac	93780
cagggactgg	tttcatggaa	gacaactgtt	ccacagacca	ctgggggtgg	ggagatggtt	93840
ttgggatgat	tcaagtgcgt	gctttatttt	tattattatt	atatcgtaat	atataatgac	93900
ataattatac	aagtcaccgt	aatgtagaat	cagtgggagc	cctgagcttg	ttttcctgca	93960
actagacagt	cccatctggg	gatgatggga	gacagtgaca	gatcatcagg	cattagattc	94020
tcataaggag	tgcacaacct	agatccctcg	catgcacagg	tcacaatagt	gtttgtgctc	94080
caatgttcct	gaatctaatt	caagtgtgta	tctgacagga	ggcggagctt	aggtggtaat	94140
gctccccgtg	gcttgtggct	catcttctgc	ggtgcagcca	gttcctaaca	ggccatggac	94200
ctggtaccag	tccatgccct	ggagctcgcg	gacccttgct	ctaaagctac	ttccggcgct	94260
ggtagtatgt	ttttaattat	ttcttttatg	ttaattttat	tttccaaata	attccctatt	94320
ctccaataat	tacaggataa	aacctttagt	ctaatttttg	agattttacca	cactgttggt	94380
caaactctgcc	ttcccaactt	acaattctac	ttctccctcg	ctaaaattat	tctctctagt	94440
tacaatgagt	tgtggacagg	aagtttgctt	cattcatctt	tgtatccaca	atacctaaca	94500
taatatctga	cccagtgtag	atgctcaata	aatgattaat	gagtagtaga	taaatggaag	94560
cctcagtcta	tctcctttct	tgtcttataa	tattatacct	tgagtatgtg	gaaaaaagta	94620
ctgaaaatct	ttgattcttt	caaggtgccc	agggtagtat	ttatctagag	gatcttgaat	94680

283148US0PCT.ST25.txt

taatagctag	atttcatttc	caatttatga	aacagatttc	agggtctttc	aggaactaat	94740
aatTTTTgaa	aattacttac	tcagcttcca	aaggTTTTat	cagtcatgat	aaagggtatac	94800
tatgatactt	gctgattaca	tacaatttca	agtatttaga	tgTTTggaaa	tacgtggatg	94860
ttatttagtac	tatgtacata	aaatttgTTT	ttgaatgtcc	ttacaatcTT	gatagttcTT	94920
tagaagaaaa	tttaaaatga	ttttactaac	tctgcttcat	ctaacataaa	atcctgaaaa	94980
cctcaaataga	tagtactcct	tgtgcctaga	gctgctggaa	agcacctctg	aagcactgtc	95040
atggagTTTg	tgTTTTtcga	accttataat	gaacagcgaa	gtgggaagtt	tccaggctta	95100
ggTgttctTT	cacgaggagg	aagttgggTT	taacaccctg	cttagtagtg	ctgtacagag	95160
agcaataaac	aagccataat	gtggTTtatt	tgggttaacc	tattagccat	gtaacctaaa	95220
agcttgaacc	acatggaaaa	tagacatgat	gaggtgagaa	gcaaatatga	caaccaagaa	95280
aagacagggg	ttgtgacagc	cgagtgatg	gacggcgggc	cttgaaacac	agtgaggTgg	95340
cccgaagctg	gccccgctgg	gcctcaggct	cccggcccag	cctcttgggg	cttttgtttc	95400
ctcttccatg	aagcagagga	ttgtgccgat	tgctctgcgc	cttcatatgt	gtgaagctcc	95460
catgtcagtg	cctggcacat	ggctggTggg	atatgtTTtc	TTTTattact	gtacaaatga	95520
atttgataac	aggctggTTa	ctcagagcca	gcttTgtgac	accttacttg	tctgtatatt	95580
ttgtctTTtg	ttcagttcat	tcattcatcc	atagataaac	attttaaata	actattcaat	95640
tgcatatcat	gaatatTTat	tatctgctct	gtaacagcag	tgtgtgaggt	gctacatcTT	95700
ttatgtaaga	tctggagagt	gactctcccc	acctgggctc	cgtaggttat	gggagggtca	95760
ggcacagcac	tcccaccaag	ctatctgctg	gggcatgagc	tggggtaacc	tcgaggagag	95820
gcccctgctc	taaagtacac	acctaccatg	tggctgtcat	tctgctcaca	gtcgcccctc	95880
cctgctggcc	tgggagTTtg	ctgctcacct	gctgtgacag	tcaccaagct	ggccatgctc	95940
cctgggaaac	agggaaggga	ggagacactc	ccatcctgtc	ctcactgcct	ccagcctaga	96000
gaagggctct	gaagacgacg	gggctctgag	gatgtgatcc	cacgtgtcct	cgTcctgagc	96060
agatgttcta	ttcgtgtcca	actgcagcct	cccttcccat	gacacacaga	cgTcacacaga	96120
tatcctgaaa	tcagcattgc	ctttgtatcc	caacatggag	atccttgcct	gcaataatgt	96180
ctcgctTTTT	tcttcaatca	ctggaacctg	acttttcttc	tgaaccacgc	tatgtgtcca	96240
tgaacttctc	aagaggttct	ccaccttctc	ctgcaacggc	tcagctccac	tcccaggcct	96300
ctcttgagaa	tttccgcacc	agctgcagcg	tgccccctc	ctctctgtga	atttctcctg	96360
tgacaagatg	cctatcgctt	tgctttgcat	caggTtgcat	catatgatgt	cagaaaagct	96420
gaaagaaaa	aaagtgtgtg	ccctggggag	tggggcactc	acaacacaga	aaggagcctt	96480
ggggaggggc	cgcgcttggg	tttcacctgc	agaacacca	cttctggctt	caagtaacca	96540
ttcttttagtc	ccacattcta	tattgccatt	tgTTTTtcat	gagcattaaa	aacgcattct	96600
tagttcttag	gtgttttctg	ggactcagag	ttcattctgc	tgTTtcattc	aaggTtcagt	96660
acacttcttg	attttatgtc	cattgtattc	caaggataga	tgattaaaa	atcatcaaca	96720

283148USOPCT.ST25.txt

atctagggca	ctttgtgaaa	accttcaccc	cagaactcct	atccactgat	gactctcctg	96780
gtctgctaaa	aactcactta	ttgtgaaaga	ctttcctggg	atcaaagtgt	ttgaaataaa	96840
aatttatatg	taaagaaaca	ttgttttggt	taaaacagag	gtaacagtat	gacttgaatt	96900
ttattcgttt	cttaatcatg	atTTTTTTTT	ctaattgatga	cctttgatta	aattgtataa	96960
aaggaccttg	aaattgaatt	gacacatcct	ctccggtgag	accttgggcc	agctgctaag	97020
gtaggatttc	tgacagtgcc	ggctgtccag	tggaactggc	tgacaccttt	tctcagagga	97080
caaggcacag	ctgtgagggt	ctttggagga	actgtgcgcc	tgccccattg	ccagtgtggg	97140
gccccgtcca	caggaaggcg	cccctaattg	gctcagcgtg	tgtgaagatc	agaagcacac	97200
agatgcaaac	atgggttagt	aagtcacaca	ccgtaactga	ctcgaactca	cagctctaaa	97260
acaagagtaa	agaagatgaa	attcatccag	ttttgtcacc	acctgtgcat	ttccaccaga	97320
gaggaaacca	ggcagttgtg	aaatcgaagg	ggctgggctg	cccactcctg	gcccacaggc	97380
ccccctaccc	tgagggaggt	cctcaaggca	aaggacagga	agcgggtggg	ttgggagctc	97440
tgtctgatgc	tctgttctcc	caaaataatg	tagacttttc	cactggattt	gaggacgtgt	97500
tctcaagtgc	atttcaggct	tgggacaact	ggaggcagtg	ttggtggaca	gctaaggagg	97560
gtgcaggaga	atcactcagt	ggaggaccct	cattttgctt	gctttggctc	tgagcatgtc	97620
tgggagaatt	TTTTTTTTTT	tttttgagat	ggagtctcac	tctgtcaccc	aggctggagt	97680
gcagtggcac	gatctcagct	cactgtaacc	tccaactccc	gggttcaact	gattctcctg	97740
cctcctgagt	agctgggatt	acaggcgtgc	gccaccacac	ctagctaatt	tttggaattt	97800
tagtagagac	ggggtttcac	catgttggct	aggacggctg	caatctcatg	acctcgtgac	97860
ccgcccgcct	cagcctcccc	aagtgtctgg	attacaggtg	taagccaccg	tgccaggcct	97920
tctgggagaa	ttaaattcca	cagttgaggg	tggggccgct	tggaagaagg	tggggtaacg	97980
caggaaggga	gccgggattc	ggtccttggg	cagagctggc	acctggggct	cacaaccctt	98040
gcctccttca	gcctgtggat	catgagtgcg	tcagctgaaa	ggggcatgaa	accaacccta	98100
gcaggcatca	gattttgtaa	tcttatgtgc	tctgtgccag	agctgccgca	acagtatccg	98160
ctgccggccc	ctcccatttt	tcctctcctt	cccttttagag	cagggagaca	tggccacgcc	98220
tgacaaacgc	aagccttccc	tgccctgcc	aagcccactg	tctggcatct	ccttatgcct	98280
cttgttctct	ctccgttctg	cagccctgtg	ggctttcttc	agttgtttta	acacagatgc	98340
tcctgtggcc	tctggctatt	tgagacacc	attcattttg	cccggaaaga	aaattaactt	98400
cctcttccac	caggtgcttc	ctatggttct	tcaaaactca	cctcgagcat	tactccttca	98460
ggaatctttt	tttttcagtt	tcaaagtagg	caaataattct	ctttggtgat	gtcaccgtgc	98520
catgtacttc	tcgagttggt	acgaaatagg	gcaaacagtt	ttgagataca	ctgatgtaat	98580
tttatgcttt	gcatttcccc	gtatatgggc	ttctcctacg	caacctgggc	agcctcctgc	98640
cctacagggg	ggaggggtgac	ctgccaggat	gcagacagcg	ggtttactca	tacgggggaag	98700
gatgggcagg	ttctgcatgc	taatgaagct	atctgagttc	acagaaacac	acgaggcccc	98760

283148US0PCT.ST25.txt

aaggccaagc	tttgtagaga	aagaaaaata	tttcccagtt	tgggaagctc	cctttttggc	98820
atattcaaag	ctaggcaaag	tgtaatgat	catagagttt	tgtgtctgga	agggtgtggtg	98880
gaacagaaag	agaagagggg	tggcctgtcg	ggtgccacac	catggggcag	ggaaggcaaa	98940
gcagagtgtg	aagcagcaca	gtgccaggtc	ctgtccacgc	caagtgtggg	gccttctcct	99000
caaggttgat	gggcaggatg	tggggtgagg	gtgggagtg	atggcaaaaa	tccagaaaga	99060
tggagggctg	cctgtcaagg	gcagaggggc	agtgcacaaa	tacggccttg	taggatgccc	99120
ctgctccggc	acttcaggg	ggtcttctca	cagtgttagt	gactgcacag	ctcaaataag	99180
tagagtggg	atctgagctt	gctgtccttg	tcactgtggc	atggaaagca	tcaagacatt	99240
cccacaggta	catggagggc	atggaaggag	gctgagaaca	ttccagaggt	catctctgtg	99300
gcaaaggggtg	cctgtacctg	gaaccaaca	gaagtcactg	acaacctcag	ggggtccatg	99360
gggccagtga	gagtaagacc	cagtgggcac	gaggaatggc	tgggtggttcc	caggaaaaca	99420
gcctgaagcg	aaacagaaca	gctgttcagt	caccacaagg	tgtagtgtg	aatggcaggg	99480
aagcattagg	aggggtcttc	aaagtggctg	ggattgacgg	tttggcaacc	tggaagcgtt	99540
atggaaagct	tggagcccga	agagagagag	agcacatgtt	ggtgggtagc	atgttcatag	99600
tgaccggctc	tgtgttcaga	tatacattag	caacttggat	ctaccacatg	caaagtagat	99660
aacaataggt	atgtttttaa	aactctgtga	ttctcaattt	gctcattgg	agaaagtc	99720
ttagtgtga	aaatttaata	aagtaagtaa	agcagagaga	acagtgccct	tggatagaaa	99780
gcacacagat	ttgcattgtt	gtcctgctgt	tagtattttt	agaaggtaag	cttcaagatg	99840
gcaactcata	tgtatctttt	tcaccaaagg	gttttcagt	gctagtacaa	ttccatgatg	99900
taatagagac	tttacaaaat	attcctggag	caaagtata	aatgaacgat	ttgaagcctt	99960
aagttagatc	aggggtgattt	attttttaaa	atgtcatata	cctgtgttaa	tagcagtga	100020
tgatgccaaa	agtaatatgt	gtgtgtgttt	cagaactctt	atcaagaaga	tcactcatga	100080
taatatacag	taaatataaa	tgggtcaaac	ttcctttaca	aaagatattg	tcatattaaa	100140
ttttatatac	acatacatgt	gtacgaagca	aaatgacata	gaaaatagat	gagtaaattc	100200
ttaaatgtaa	gacaaaaaat	aaaatgaacc	ccaaagtgc	atattaatat	catacaaagt	100260
ggaacttgag	agaaaataag	gaatgagcga	gggctacttt	atattaattt	tctaaagtat	100320
aattttattat	gagaatgtag	tagccagaga	tgttttaaaa	ccaaataaca	gcatcaaaag	100380
acataaaagt	tgttataaat	gcaataagaa	actggcaaag	cacagtctta	acaggctact	100440
taacaatatc	tctacttttt	atgttatgta	cataaacttt	acagagaact	gaataattaa	100500
tatgttttat	ttactcagta	tttctttaaa	gaaaatgtct	tcaaagtgtc	atcgtatagt	100560
taaacattga	ttatagcttc	tgtgtcaaaa	aaaagctcaa	tacaaagcat	tcccataagc	100620
catattttga	caataaaca	tagaatttaa	gtaataaaaa	gtttaacacc	aaatctaaaa	100680
ccatgtggaa	actaaaaata	ctccctgaat	aatccatgag	ctgttaactc	aaagaaaatg	100740
atagagaaaa	ttaaaactga	ataaagagat	tgtttagaag	atgccataat	atatggaatg	100800

283148US0PCT.ST25.txt

taaccacat	tgtgctagga	gaaaactttg	taagttttca	aggtttttat	aagaaagttg	100860
caaataaat	atccatgtta	ctgcagaagc	aaaaataat	ttaaaaagcc	ccaacaaaag	100920
catgagtaag	aaaacgaaga	tatagtagaa	attaatgact	tagaacctga	aaaactataa	100980
caaataatagt	aattcaaacc	tttattcttt	gatattaaat	actactgatg	acaaatcttt	101040
ggaaggctaa	gagaaaagca	gagaacatac	aaatattcag	cattagaatt	caggacactg	101100
gggagaggca	tagtggtgag	agcagtcctt	tagccgaggc	acactgggtt	gacttcaccg	101160
gtactcagct	gtgtgatcca	ggaacgctgt	ccagccttct	tgtctcatgc	cttggaattcc	101220
cacggctcat	agtgtgttta	aaaaaattac	attgagttac	catttgtgat	atggtttggc	101280
tgtgtcccca	cccaaattct	atcttgaatt	cccacatgtt	gtgggagggg	cccagtggga	101340
ggtaattgaa	tcatgggggg	aggtctttcc	catgctgttc	tcgtgatagt	gagtaagtct	101400
cacaagatct	gatgggtttta	taaagaggag	ttctcctgca	ccagatcgat	ctctctgcct	101460
gctgccatcc	gaggtgtgac	ttgctcctct	ttatcttccg	ccatgattgt	gaggcctccc	101520
cagccgtgtg	gaactgtaag	tccattaaat	ctctttcttc	cgtaaattgc	ccagtctcca	101580
gtatgtcttt	atcagcagtg	tgaaaactga	ctaatacaat	ttgtcgagta	cttttataac	101640
agggtttcaa	aaagaaaata	tgtatgtgtt	tcttatgtaa	aacaagcaat	atggaaagga	101700
ggttgcagtc	cacagccatg	agataatcca	ttttgatatc	tagctgaaat	gaatgaattt	101760
ctaggaaaat	atattacca	atatgactta	agaagagaca	gaaaacttaa	tttgtcagtg	101820
ctacaggaga	tactgaagaa	agtttgaata	gagctatact	tctgatggta	gaaaggcata	101880
tattttgcat	tcacgcattc	atttaacaaa	tattgattaa	ttacctacta	tgtgcctgat	101940
gctgctttta	ttccactaaa	agtacgataa	tttttttaat	ttcaaaagaa	atttatactc	102000
tgttaaaaaa	tgagagtatc	aagtggtgaa	gattaaaagc	aaacatcttc	acctcctcta	102060
ctccccaatc	tcagctgtct	gctacgtatt	ctagatatct	ttaaattcct	ctctctctac	102120
ctacctacct	acctattatc	tatctatctg	cctatttgtc	tagttgtgcc	tgtgtatgtg	102180
tatttaagct	cagtaggatc	ctattatcca	tttgttttgc	aacttgtttt	tcatgtgatg	102240
gatgtccctc	cacgtcagca	catgggtatta	taattatgca	tattttattc	tctttgaaac	102300
aagggtgaata	aataaacctg	tagcaagggg	aacgctatct	gtcaccaaaa	ctcccactac	102360
tcgaagcgtg	acctaaaggcc	aagatctgcg	ggaccttttt	cacaaccttt	gtgcgtcttc	102420
ttagcttctg	atggcagcca	ctggttccta	cacagcatgt	tgtccccttc	tgtgttggtg	102480
gagcttttag	agtttttctt	ttattttggg	gtctataagt	tttatcaggg	gacctgtggg	102540
tggacacaca	gccctcagtg	gatcactgta	taaggaaact	cagctccaga	aaagaggctt	102600
caatcatttc	tcctagtatt	tcttttcta	atttttgttc	tctatttgta	aaagtctcta	102660
ttagtttgac	cctcctgaat	atatcttgca	agacttttag	gtttttattc	attcgtctgt	102720
ttatttttcc	ttttagatct	gggaggtttc	tttggtcga	ccctctagct	gcctgggtctc	102780
catggtggaa	cagcccctct	tctggacagc	cagcttggca	gttccattta	attttcattt	102840

283148USOPCT.ST25.txt

tgtcagttaa	atTTTTtTTtT	ccatacctct	tcctTTTTtcg	taagtGctgt	tatcttctta	102900
ttccctgttc	cttaccctcc	ctacctcctc	ctcctcctaa	ttgtagctaa	ttctaatttt	102960
atgggtgcaa	tttccctctct	aatctctcag	tatcaagttg	gattttttatt	attattatta	103020
cttctatttc	ctctcaggtg	agctgtttta	tttgttcaca	ttatcctcca	ccctgggtatt	103080
tgcctcctgt	attgggtggc	acttgatttg	gttctTTTTt	atgaatgaag	atgggggtga	103140
ttgcttggtg	gtttcctttg	cagccaggca	catctgtttc	ctgctcagcc	tcctccctgc	103200
ctggctaact	acaggcctgt	gtctgtggat	gaggctccaa	cagcaggaag	aactatccag	103260
cagcctgggg	acctcctcct	gcccacgccc	ctcctggggc	agctgccaa	ccaggagggt	103320
ttttctttcc	tgagagccga	taactacagc	acagagactt	cctcgctttc	ttggttcaag	103380
tctctatcat	tgtttcagta	atTTTTttac	agtggcccta	ggccagagca	acttcttaac	103440
agtctctgtg	ataagtagtt	agagccaaac	gacataatta	tgcatgccct	aacaacttag	103500
taactgtttg	aaaaaccaat	acatatacct	ttaaagaaaa	aacaaacaaa	aacaaaacaa	103560
aacaaaaaac	aacctatctt	ttcttttgct	ctgaaattcc	catcacttag	cagcgctgca	103620
cgcgcctgct	ggggacagca	cagcctcacc	taccttgga	tgagattgga	gagccctgct	103680
gcgttttctg	ttccctgctg	gttttcatac	ggggcctgct	ttttatcaga	gcacctgctg	103740
aacatccagc	cagggcctcg	tggaaagtaa	agtagcgctc	ttgagccttg	gatcgggtggc	103800
tttgctagag	cagacgtttc	atggagggggc	tgatggatgt	ccaagagggt	gtgtttctct	103860
caaaaatgaa	gaaactccac	agcgcccctg	tgggtttgcc	ggggcgaaga	tctgctgtgc	103920
ttcttttagg	ccctgtaagt	tcaccgacaa	attaattttc	tttaaaaact	agtctttggg	103980
ctttgtcttt	gggagaaaca	atttctccga	ccgtcatttt	tcgactctat	tttgggggat	104040
tgggtggtagg	agctgtagtg	agccgttcca	gctctcgccc	taatgtttga	ctcatggcaa	104100
ggtctttgcc	tccttgactt	tgctctcaga	gctttttcta	ggcttgcttg	ggaagaagct	104160
ttcaacattt	ctattccatg	gctattttca	tttttctctt	ttccagtaat	gttatgtttt	104220
cattttatatg	tattatTTTT	ctcaaaagta	acttgaggaa	tagaaaaatt	ggagccaagc	104280
cagctcctcc	atcagccatt	tgaatttgct	tgagcttcta	tattgggctg	gacatcagtt	104340
ttaattctta	aaatttttatt	tgaattagaa	tgggtgaactt	tgaatcatac	tgactctttg	104400
tggattccac	atTTTTatgtt	gtcagttatt	atccagctct	acttgaattc	taaatcacia	104460
aacaaaacta	ttcaaaccat	catggtttct	gcacttttaa	tgtaagtatt	tgaggttcaa	104520
agttagctaa	tcatacaata	tattccagag	ttagttagaa	tggacactga	aaaattactc	104580
ttttctggga	taaggatgac	taagaaccac	agggaaacaga	gttctcttaa	aatgagttgt	104640
tttcaaacgg	aaataaaaaa	accacaaaac	attgcagaat	tgctcatttt	atcagatggc	104700
tgaaacttac	atTTgtaaaa	atgcagtttg	attgattatg	atggctaagc	cagggtttgt	104760
tgaccttgaa	gaataaaaagc	ttggcacata	cttattggaa	agtgtgagcg	acatgaaaaa	104820
gatataacga	gaaatctttt	aaatttttgc	aataggactc	aagaaataaa	agatgtcata	104880

283148USOPCT.ST25.txt

tcaacacaag gtaaggcttt gcctagcagc cacttgggtgt ggaatattta caaattgttg	104940
acagttgtat actttaatac gtatgtgcct ttccaaaata tgaaggatc agaatttttag	105000
atgaggtaga atatTTTTca tacttcttct tttagtatgt cacagaaaca agttatttga	105060
tattatctct tttatatgta tagtacatcc atggatagca accacagtag gaagtaaaat	105120
taccagcaaa actcttgcca gggattgtaa ttagttatta aaaaataatg tctccctacc	105180
ccatattctc ctcttgagtg tattttgggt tttcttcca ctgccaaagc cttaaagcaa	105240
atgtctagac aaacctccta cactctgata atttcaaacc tgctgatttc gagtgataga	105300
cctacatctt gatgtcattc tatgaatggc aaggcctgaa tttccaaagg ctctctggac	105360
atctgggcag tcatcagaac tcaccgtgcc ctaatctgat gggccttcct tccctgctgc	105420
cttttctcct gtatttcaca tttgagctgc tgataactgc agctgtccca gctgccgggt	105480
aggaacgtca gcctctcccg cgggacgtca atccctagca cggacctgtc tgaccttcc	105540
cctataccac gtctcttgc ttctccctct gaaatatctc ccaaatcctt ctctctgcct	105600
tcttttcta ctctctcac tcacatgact gcctcgggcc ccattttcct tcacttgat	105660
ctttttgtga tggctctttt acaaagacac tgttgctgga accccttcc agaagctgag	105720
gtagaatcat accgctcctc tagaacctca gacactctca gtgcatttaa agacataccc	105780
aaattctggc aacatgacac aagtctgcac cctgtcctgc ctcatcttcc acttatttat	105840
gagctgtgtg tcactgagct ttccaaaata taccttttgt tttcacagcc cattcttctc	105900
ttatcctgaa atgaacttct cttctatgcc tctgacacct actcacgtat gaatgtcctg	105960
ctaacacacc acttccgcca ggaccaagt ttgctcatga accctcttgc ccattccagt	106020
ggctacttca gaactcgcca gatctttctc tcgttcccat gttattgatc tgccgtcttt	106080
gtttgctttt cacactcctt ctcttatcca agaaagattt tcacagcatc acactcattt	106140
aaatgtctat agctttagtt ctagactagt ttatcttctt gctatatattt tagagacaaa	106200
tttccatcca aatttactat gcaaaataaa attcttaagg aatctctaaa tcagaaagca	106260
attttggcat gtttgcatg tgtatttttt ttattaactg agatttactc agaaagaatc	106320
aatgagcca aaaatttggg gctgaaatgc ttgacattta acccttctgg aaagaataat	106380
gttggcttta caatgaatta attgtacatt ttgaaacgt gtaagatttt taaaaagtta	106440
tatgttctag ttgttaagcc attagaaagt ttgggtaagt gggccctttt gtaggaaatc	106500
ctgtgtgcct cacagtctct ccatagcctg gtgagtagca agtgagaaat attttgcaat	106560
agaaaacaga aaagtcaagg ctgaggaaaa atagaatttc caccacaaat atctgataaa	106620
tttatctagg agccaaattt ggggagctat atgggtagtt caaaatctgt ttgtattctc	106680
ctactggaca gaaagaggaa agtaaatgga ttaatcaggt agattggcat ctactgatgt	106740
aagcaacagg tagataaatg ggatgaatcc agtcacctg gttcttactt ttctgtgttg	106800
ggatagaaga tggttttctc tcataagtgg atgtaaggga aactgggtggg gataatgtgt	106860
tgattgaaat ttaaattttc ttatggaaga cttgttgaag aattcaattg ttttattcca	106920

283148USOPCT.ST25.txt

acaatctggc agtttggatg cctgccatag ccttaccgtg cattagctgt gttacctcaa	106980
acaaaccagc tagtcttcct tggcctcagt ttccttagct attgaatgag ggtttggact	107040
gggcgatcac atagatctct tttggtggcc aaatcctgtg gctttgtgat tctgtgtaca	107100
gcccagttgc ttattctgtg cagtttagacg atagcatcca gactcatgca ctaggggtgg	107160
aaaccgttga ctcttttctt ctttcttcct ttagtttctg aagcactcct ctgtgactac	107220
acattatcag tttcttcttt ctctctatat gtttttttct ttttttccag ataatgcagt	107280
tccccttgac tctaattcca aactgctttt ttcctccctg accctacata cagttcatcc	107340
aagacaactt catctgtaca catgcattca actaccatac tgttactatt agcttggggc	107400
tctttccgga gcttcagact cctgtcttcc acccccatgg acatctttgc ttcaatgccc	107460
tgtgagtgtc tctaactcac tatgtacaga gctgaattca ttatctgttg cccttaattg	107520
atctttcttg ccatggaata ctaattgact tccttctctt ccatgtaacc acctccaatc	107580
catcttcaat ctgtcaacag aatgatccta ctaaaacca gatctaataca tgtctgtctc	107640
atgaggaaaa attttttagtt tccctattgc ctccagaatg catttgaaac ctctttctag	107700
ctctgtacag ccctgccacc tgcttcttga gtctttatgc actactgcat gggcccttca	107760
gccattcagt aaaattgact tttttctttt tagtgcatag gtctatcaat tttgactcat	107820
atatagattt gcgtgatcac taccacaatc aggttacaaa caattccctc acccccaaaa	107880
ctccttgggg ctatcccttt ataggctcac cctcctgaat tctgacgcca gcaccacta	107940
ttctgtcctg catcactgcc gatgtatctt tccaatgctg tcataccagt gcaatcatac	108000
ggccctcacc tattgaggtc agcttcatta gctcaccgta atgcctgtaa aatccatcta	108060
agttgttgat tcatgtttgt cccttgctgg gttgtattcc attgtgtgga ggagccacag	108120
ctgattattc actcactttt ggaggggcat tttagctgtt tccagtttgg gacaattatg	108180
aacagagctg caacaaacat tcatgtacag gtttttgtgt gaagacatat tttcatttat	108240
ctgggataaa taccaggag cagaattgtt gagtcatgtg gtaagggcat gtttaccttg	108300
ataagagcct gtgaaaccat ttttgagagt ggatgcttgt attttttaaa caagattcat	108360
agttgactct gaggcccagc caggtttggg agccagagcc ggaataatca cttacatgtt	108420
ggtcgttcgc acacactaca ggttgcttaa caggactctg tgcctgcatg tttgtgtcat	108480
ctctgcaacc tcaaagccta gtgaagattt catcttaact tgattgctat gtgtttgcat	108540
agttgaataa ctaagagaga gtgctcacag cgtggctgct cccactaagg tgtagtcaga	108600
acatgtgata tacagtacag atgattttcc acacttctct cctgcacgta acaaaattac	108660
ttttagtaat gatcatgtaa gactcagtag tagtaatgac tttctttaat attatttatt	108720
aaatatttta ttataatatt tatatttata taatatatat ttatatattat ataatatata	108780
tttatattta tataatatat atttatataa tatatattta tatttatata atatataatt	108840
atataatata tatttatatt tatataatat atatttatata atatataata tatattatat	108900
aatatatatt tatatttata taatatatat tatataatat atatttatat tatataatat	108960

283148US0PCT.ST25.txt

atattatata	atatatat	atatttat	aatatat	atataatata	tatttat	109020
tatattatat	atatttat	aatatat	tatattata	taatatat	ttatatt	109080
atatttat	ttatttat	ttatat	tatatata	atatagtta	tatataacta	109140
tatattatat	attaaatata	tggtatat	aacatatata	ttaaatat	attatataac	109200
tatatattat	gtattaaata	tatatatt	ataactatat	attatgtatt	aaatatatat	109260
attatatatt	gtatattaaa	tatatatt	acataactta	tatatgat	atatatatta	109320
tatattatat	atgaaatata	tattatat	aactatat	tatatatt	atatgaaata	109380
tatattatat	ataactatat	attatat	actattatat	ataatatata	ttatatatta	109440
aatatatatt	atatattata	tattatat	aaatttat	ttatatata	tatatatt	109500
tatttctttt	aatattaaaa	tgagtagaaa	tcagttaaaa	ttatacatt	ctatttttaa	109560
aaaaattttt	cagattcagt	aaaatgtttt	atgaactgac	atttgcatt	actaaacaaa	109620
aatattacat	tgtgcagttt	gtcccctgtt	gcactgtttt	agattttaag	cacaaacttc	109680
caaagtgtcc	cctctgatga	ctgaattaaa	ataagtcagg	ttgtgttcct	ttattttgac	109740
aggcactgtc	ctgtcacgtt	taatttagaa	tctaaggttt	aagtgcgaga	atatgtatta	109800
tccccggggt	tggagaagca	cctggaacca	gtgttaatag	tttactccat	ccagctcctt	109860
ccgttcacat	gaaggcgggg	ggctgggtgc	ctgtgtgcca	gggtcagctg	aataacttgg	109920
agttttctgg	aataactttc	ctgtagagta	tgatgtttat	taagtataa	agatacaaat	109980
gaattgattg	aagcttgc	agggtgtata	gtttcgccag	actgctgtca	caaagtacca	110040
caaactgtgt	ggcttaaaat	aacagacatg	tattcctcat	ggttctcgag	gctggagggtc	110100
tgcagggtcg	gttcctttgg	aggctgggag	aaggaatcgg	ccccctgcct	ctctccagct	110160
tctggtggtg	gctggggcca	tcggggtact	gcttggtctt	cagacacatt	gcctgatctc	110220
tgctccatgt	tcacatcttc	cacattctct	tgtgtgtctt	tggttttctt	cccctcttct	110280
tatcaggaca	ctagtcactt	tggatgaagg	accaccata	cttcagtatg	gtttcatctt	110340
aacttgattg	cttctgcaaa	gacccccac	ttccagataa	agtcaccttc	acaggtacca	110400
gggggttagga	cttgaacata	gctttttggg	cgatgcattt	caacccatca	cacacgcgca	110460
cacacgtgca	cgcacacaca	cacacccaaa	tatatgtaat	gaaaactcaa	cagtcacaag	110520
agcaattatt	tagaactttc	atcaacaaat	gattgtgtgt	gtgtgtgtgt	gtgtgtgtgt	110580
gtgtgtgtgt	gtaggactgt	ttcatcacta	actgtgtttg	gaatgactct	cttggtggga	110640
taaaagcagg	ccagttttgc	ttggcttact	tatcgtgtat	gaattatctt	ttaacagaaa	110700
ttttctgtac	cccaggcaag	accattccct	tcatcccagc	ccaggtagct	gctgtcccca	110760
aacaccctca	gtgggcatga	gggtgtcctc	ataattcctg	gtgatgtcca	tttcttcttc	110820
catgttttca	aacagcggta	tggcactttg	agggtgaaata	tggctctatt	taatgtcact	110880
ggtttcttga	agctctgagt	tttctgggac	cacaagtttt	acttgaagg	aagcaattta	110940
aagtatttta	atataaacat	aactacagta	taaagtgtga	tgcgtatatt	acatatatct	111000

283148USOPCT.ST25.txt

ttagaactaa	acatgagatg	aaaaaatatg	aacatggttg	cagggccctg	aaatttcctt	111060
cctctgttac	tgtggtaaac	aaagcaaagt	aaactaagac	agtggaaagg	gttcatttca	111120
aacctgtaag	atatgtccta	tctctaagtc	tgacttgatc	atttgtttgc	tctgatgcat	111180
aaatggcaat	ggaaataata	ccaccttctt	cttatcccag	taaacaagtt	tgtgagcaaa	111240
taatttaata	tggggaaaga	gcttctgagt	tctcagagga	tcgccatttt	ctcagagcta	111300
ggagatgact	tagtgcgggg	ggtgagccat	cttttcggcc	agttcgtgaa	tgtcttgggc	111360
tttggtggc	agaccttctc	cgatcaaaca	actctgccgc	tgacagcttga	aaacaaccac	111420
agacaacaca	cacacaaatc	cagcgtggct	gtgttccgac	gcaatttgac	aaaaacaggc	111480
actggccaga	cttgggccat	ggactgcagt	ttgccagcct	ctgaacttag	aggaaaaaaa	111540
ttggaagaat	ggagtgaacc	ttgagcacag	ggaggagcag	gactgaagc	tgtctgtgtg	111600
ctcttttcct	gtcttgatgg	agaacaagac	atttgatatgc	tttcacaaaa	caaagacaag	111660
tgtaactgtg	agttcaaaga	ttacatcatt	gatttcagta	gtgttgatac	tttaagcatt	111720
tgctatgttt	cctctgagct	attgggacat	tacactgaga	tgcagtcggt	ggtatgggga	111780
ggtgctcagg	ggttctcctc	tctgccctca	ctgcttggtg	cttacagaca	gctactgaag	111840
cagtgccttt	catgctgggg	agcctgacta	tttgaggtt	gttaaataca	tttaatgggt	111900
cgtggtctgc	atttgaaaga	atagaactgg	ctcaacttcc	ttgggctaga	atggaaaatc	111960
acaaggtaca	tcctttatag	tattttgtga	atttttggtg	tacacttgaa	catatataaa	112020
catatatggg	atgcatacat	aataaagaac	tattagggga	aatcaagct	gttttttgta	112080
aagttaaaac	tttggaaga	gtatagtcga	gtcacaaact	tttctctgtt	aagttatacc	112140
tagatgtgat	gattgtgaaa	aattggcaaa	caaaaactct	agaaaaagtt	tgcatcaga	112200
ttgtttccca	atggcttcct	aagtactga	aagacatctc	aactagaatt	taggaataga	112260
cactttcagt	gttatgtatg	caaataata	ataataataa	taagtgccga	actctaactg	112320
actgatccat	ttctgttgcc	caggctggag	tgacgtggca	tgatcttggc	tactgcaac	112380
ctccacctcc	tgggttcaag	caattctcct	gcctcagctt	cccaagtggc	tgggattaca	112440
ggtatgcacc	accacacccg	gctaattttt	gtatttttag	tagagatggg	gtctcaccat	112500
gttggaagg	ctggtcttga	actcctgacc	tcaggtgatc	cacccatctt	ggcctcccta	112560
agtgtctgaga	ttacaggcgt	gagccacat	gcccggccct	gatccatttt	taagaaaagc	112620
ctttatcctt	aaagcaaata	ttggtgcatg	agtatgtaat	gtatgaacac	gtgatgttta	112680
tgatttccaa	cttgacgtca	ccttttcttt	gaactgttct	aatattttgt	tcagtcctca	112740
tttgatatctg	ctgaacctcc	ccttgagggg	attgtcaggt	accctccttt	cgcctgtgag	112800
ctgagggaaa	ggtgagaatg	actttagggg	aagagaaggg	tgaaaagtac	caatttccaa	112860
ctcttcctcg	caatcttgaa	atgtttgatt	ttgatctcat	ctttgcactt	tcccctcctt	112920
gccgtaaaga	gagacacaca	gttctgtgct	gggctaaaag	catgtttgaa	aagtaaagaa	112980
attggaatat	aagatatata	tcagtccaca	ctggactgat	gtggccaggc	aaggcaactg	113040

283148US0PCT.ST25.txt

acctcttcta	acgttttctt	tcttccagca	gagcacgtct	ctgtcctctt	aagaggccac	113100
atgtcaggtg	tgtggctctc	tctgactctg	tcctaattggc	agtgcccttcg	tatTTTTTgt	113160
ttgtttgttt	ttgttttgag	atggagtctc	actctgtcac	ccaggttgga	gtgcagtgtc	113220
acgatctcgg	ctcactgcaa	gctccgtctc	ccgggttcat	gccattcttc	tgcctcagac	113280
tcctgagtag	ctgggactac	agacatgtgc	caccacgccc	ggctaatttt	ttgtattttt	113340
agtagagacg	gggtttcaca	ttttagccag	ggatgggtctc	gatctcccga	cctcctggct	113400
ggtgatccac	ccgcctcagc	ctcccaaagt	gctgggatta	caggcgtgag	ccaccatgcc	113460
cggccggcag	tgcctctgtt	tttatggcat	gagggcagcc	ccggtgaact	ggggttcttc	113520
gtggaggagt	gtgcccgtgc	gtgacggaag	catgcgcttc	ctctgacctg	gatgcaggct	113580
gggatgccat	cggcactggg	gctaccacat	ggtgctaacg	ggctcagaag	aagccagcac	113640
aggggtgattt	aaacagtggc	cagtgatcca	gggtcgccag	tgctgaagga	aggaaaaatc	113700
aatgttgaat	aatatacttc	acagccctaa	agtagactca	tatgtaatgt	tgagacaact	113760
aacaatttgt	aaagaggaca	gtactaagca	gaagagacga	cagaaatacc	ctgctttggt	113820
ttcgtttgat	gaattttctt	gaggagggat	ttctagggca	gttcaaaaag	aaaacagaaa	113880
gcaggtgaca	ctcaggtgaa	atattcagca	tccatctcct	ttgtgtctaa	gccctggtga	113940
gtctgtgtgc	aatcagctaa	gggccttagc	ccatggaccc	caggctgcag	gcagcccttg	114000
ctcactgaga	ctggggacca	caccagctga	tggcctccac	tgggttacat	gcccacaggc	114060
agctgctgag	tctcaggata	gcgggaagaa	aggtcctgcc	acaagaagac	atcaattaac	114120
aaaaaataga	taccataatg	taaagcaatt	acgtggcctg	cctttttggaa	acttctgggg	114180
agaggagggga	ggaagtctaa	acatgaattg	caaatgctgt	acatgaaaac	agtatgcaga	114240
tatatattagc	tctatcaatt	agttgaagtc	acaacatcca	gggatgtttt	cactaatgca	114300
tttcattagt	aaatatctat	tactattggg	tattttattgt	taaatatatg	catgcgaaaa	114360
gacagactaa	ggaacactca	agtcctcacc	tctcagcttt	gctgtatctt	agcattttgc	114420
cacattcgcc	tcagatagtt	tttaaagaat	taaaacatta	gatgctatgg	aagcccattc	114480
tacctcttac	tgtgacttct	aagatatttt	caatgattta	agaaaaattt	tgaaaagcaa	114540
tgaagtcaaa	cagttaaaga	cactgctgcg	tggagggtttt	ccctctgatg	gtgagatgca	114600
gacgctgcac	tcagaggaac	atgagctggg	aaatggggag	tctgaagaga	agagctgagt	114660
tgcaaacaaa	tgtccttttt	gcttccagcc	ttagcttttg	ttttatgatg	gataagatgt	114720
atttgcatat	tatgtcctct	gtccaatagc	atattccaga	caggggtttc	tgggggcatg	114780
attaggaaat	aaaatatatt	gctgtacagt	tgactatggc	aagcaaagac	tgcacacctc	114840
aatcacttaa	cttaatatata	atgttgaggt	tatcacagtt	ggacaaggat	tatggtgatg	114900
ttctctacat	ttctatgaaa	aagtcactat	ctggtagtg	ccaccgagct	tttattaatt	114960
ttgttattgc	acaggagaag	gaagtcattt	cgaggcaagt	gtttgcgccc	tgatattagt	115020
aaaacttcag	agggtctcagc	catcccctcc	cactgccata	tttttaggag	aaacagcagc	115080

283148US0PCT.ST25.txt

tgaggcctgg	agagaggtga	tgtgagattt	gtagtgagag	atggaaagca	tcctggagtt	115140
attccaaaaa	gtgatcaggt	agaacctcta	tgcccacgac	atagtgtaaa	tcctttgtaa	115200
aaccaacacc	caaagcattt	ggggttttgc	ggtgctagtt	tcaccacgca	gtggcttgat	115260
tttgaacact	gccctttgca	gacctagcac	catggaaacc	caggcctttg	cggaggacaa	115320
cgcggcctgc	gtgctcccat	cctggctact	gttcaccaag	tgtgggtgac	cctgggaggc	115380
tgcccttgct	tgtttacttg	tttttcctgg	ctgttgattt	caaagaaatc	tcggtcaaat	115440
gagaaacccg	ccaacaattt	tgaggaaata	cagggatgag	ctttggcagg	aattaggtac	115500
gttctcaaag	caggccttct	gcccgaagtc	acagtgaatt	tccaacacca	caggagctca	115560
tctttctttg	tccctgggtg	agggaaagta	aataagagca	caattagtgg	aaaccataaa	115620
gagaatgctt	tgaaacttgc	atctgagatc	aagccaacag	gagtttctgg	tagaggtgat	115680
attggaattt	tgaaaagaca	gaaatgttca	atccaaagga	ctttgacttt	gtgcttatct	115740
cataaaagaa	gtcatttgga	ggctatttaa	atgtgtaaaa	ggtacaaagg	ctttgtggac	115800
caattagttc	taggaggggt	aaagagcaaa	ccctgcccag	agccggtgca	cctgctggtc	115860
cctcttcctg	cttcctggaa	tgctcttgtc	ccagatagct	gtgtgctttg	ccctgaattt	115920
ttctttcggg	ttcccgttta	aatgtcactt	tatctgcaag	gccatccctt	accactctaa	115980
gaagaatttt	tctttctgtc	cccttgatcc	tgccagtttt	caataacact	agcatctgac	116040
attttatttt	attaaatgca	tattgcattg	tttatctcct	gtttatccct	tccagaatgt	116100
aaattctctg	tgaccaggca	cctgtttttt	ttttttgttc	ttgctttttg	agtcagagtc	116160
ttgccctggg	tgtccaggct	ggagtgtagt	ggtgccatca	cggctcactg	cagactccgc	116220
ctcttgggct	taagtgggtc	tcccacctca	gccttccgag	tagttggggt	ggcagggtgg	116280
caccacaatg	cctggttaat	ttattattat	tatttttttg	agacggagtt	tactgtcgt	116340
tgcccaggct	ggagtgcaat	ggtgcagtct	tggtcattg	cacctcccag	gtttaagcga	116400
ttttcctgcc	tcagcctcct	gagtagctgg	gattacaggt	gcatgccacc	ataccgggt	116460
gatttttgta	tttttagtag	agacaggggt	tcaccacata	ggccaggctg	gtctctaagt	116520
tctgacctca	ggtgatcagc	ccgcctcggc	ttcccaaagt	gctgggatta	caggcgtgag	116580
ccactgtgcc	cagctccaat	ttctaaattt	tttgttgggt	ctcactgtgc	tgctcagggt	116640
gatcttgaac	tcctgggctt	aagtgatcct	tccacctgag	ccccacaaaa	tgctgaaatt	116700
acagggtgtga	gttactatgt	ccagcatcct	tggtatgtgc	ttaataacca	ggactgaacc	116760
aatgtttgga	gtagaattag	tttgctttaa	ttattcactg	aatgaatgat	tacataaatg	116820
actaaataga	agttttaaat	gctaaatttc	tagactccag	agtttagagt	gaattagtgt	116880
ttgttttttg	tttggtgtgt	atttaagcaa	cttattttata	cctcttcaaa	agggtatctt	116940
tggtgtctta	taaaatgtac	atagaataat	ataaaaatag	atcctgaaat	cagagcaaag	117000
agaaaaataa	gagtggtctt	attcttgtag	cagaaaatct	gtattctaaa	aatacatttc	117060
taatatagtc	taagacagag	catgggaagt	gaaaaacatc	acaggacgat	ggttctccaa	117120

283148USOPCT.ST25.txt

cttgattcct	gtggaaaacg	tgtactctgg	aggctgaacc	tggggtttta	ctattaaagt	117180
gagataatga	tcgtttccag	gtgcacatac	aagggtgaga	aaagggatag	gcttttttca	117240
atttaaaaag	ttccccaata	actttttctt	aaatctttgg	aaattctact	gcttctctgc	117300
tggaaagcac	ttaaattgat	aagaaaaaca	gtgaacaagt	accaaactct	caaccgagta	117360
ccttggaat	agctacctga	gttagcctga	cagctggatt	ttcatggaca	gctgtgctca	117420
tagttgtgaa	tttgtattgc	gtgattttta	tgttgccata	cttttaatcg	ctaaaataac	117480
cctagttcaa	aaaacagagg	taaacattga	tattttatca	tgtttcgtaa	ctttctgatg	117540
tttcattccc	taagtaattt	taagaaccct	tgttttagaca	tctggcttta	tgggacaatc	117600
aaaaatatga	tttgagttct	ttatttcagg	acaatttatg	cacataaatg	tgctacagaa	117660
aataaggagg	agtaggtttt	acttaagccg	actttgtttt	ctcctgtggg	atgaagagca	117720
gctctttcca	ttgatctgat	tgtcccaa	aatgtttcag	tgcttcagtt	cattttgacc	117780
acgtggtcac	accccaaat	gtcagccaca	acattacact	gtacacacaa	aagtccagat	117840
ttaccgctgt	acctttggtc	caacaacatt	tatatattagc	ctccaataaa	ggctcaactt	117900
gctccaagag	atttttaatg	aagagcacca	taacattccg	gttgcaatta	tgcagtgaat	117960
ggcaaattcc	agaagcataa	gtaaatcaat	ggagaaagca	caatgatccc	ttctacacta	118020
gcatctggat	ttttaaaaa	ccacatagcc	tcttccttcc	tttctccctc	cctccctactc	118080
ctccttccac	cctctcccct	gctgggcatg	tgaggcttgc	tccaagcttg	attctgagtg	118140
gagttttcgc	atttctaacc	tgcacagagg	ccgggtccag	ccttaggtgg	ctgtcccatg	118200
gtggacttgg	ggctgccata	cccagttcat	tttctcaacc	cttcacttca	ttttcgccccg	118260
ttgacacagg	cttagtgggc	tccggatttt	atttttttta	attccaaacg	gttgccctaac	118320
tttccccttt	cgcctaaaca	cgatagagct	gtctttcttc	gctggagctg	cttgcacggg	118380
cacggtggca	tttgctgcta	tttcagctct	ttccacgcag	caaactctgct	ttccccagcc	118440
ccgaagtaaa	catcaccttt	tccctagtgt	acctgcctct	gctgaaaaca	caccaccccc	118500
ttcctgctcc	aattacaaac	ttagacttga	ctgtgggccca	agttgctttt	cccacaggag	118560
caatgtctct	gcctcacact	tggtttttcc	aagggaggcg	gtgactgagg	ccagcacaga	118620
caatgtctca	gcctttgtat	ttgctgggcc	acagagagcc	acgtaacatt	tattcagatc	118680
cagtgaacc	taatgcgagg	aagccaaggg	gaaggtgggt	tctcctgcgt	gccattttca	118740
aaagtgtgcg	agctgtctgt	ccaactacac	atctcttttt	aatcatgtct	gctgaggtct	118800
gacctagatg	tgtcccatcc	ctcacttctt	cttgggggtgc	ctaagagggg	taccatttgg	118860
ggcgatgaca	gggtgtgtcct	ggaatgggcc	ctgttacaca	gggtgattga	cctgatcctg	118920
gggtgtgtgag	caaagcccag	tgctagcaga	ttagttatgt	cataaaacat	taggaaatat	118980
tttatacagt	ggagataagt	cggagaactg	caggctgctg	ggttaggcca	aatcgttctg	119040
gaagcagggg	caaatgatct	tatatactgt	gtttgcctga	cttggtggag	ttgaaactaa	119100
tgactcttct	tcgctttgtg	gagcaaaact	tccaaactgc	attatatattt	tggctctgac	119160

283148US0PCT.ST25.txt

cttgcacctg	ccaccccaca	gccccaggca	tcattagaca	ccagcacaag	tcattttctg	119220
aagacgtgaa	ctcctgttgt	ggtttatttg	ctttcatgac	ccaaagacct	gtcaggcttt	119280
gagtttttct	tggtagcgag	tgttccctct	ctgcacctca	gcttgtagag	ctcttccatg	119340
ggaagtcaca	gagttttatac	ccagggatgt	ggctgcattg	atgctgctgg	caggggctgg	119400
ggggaggggt	gtcctgtttc	agcttctaga	aagctgcctt	tcccattgcc	tacaacggtc	119460
attgcatact	ttcaccattt	tcattttccc	ccaactccta	ccttatccct	tccccaccct	119520
ccacactgaa	cacccaactg	tgattttgac	tttttaaagg	aaacagatac	atcaggacaa	119580
acccctcaa	ctttcagggt	acttttctac	caactcattt	ctacctgttc	acatacctgt	119640
tttaagctca	tatcagagaa	gttattcctt	ttgcttttca	agaaggcact	caatactgct	119700
ttttttccta	tcaatgtatc	aacgaatctg	tcattctccc	tctgttttct	acccttttgc	119760
cactgtctta	aaaagtcaag	aaaaaacctt	ctctaaacct	tcaatgttaa	atttctcctt	119820
aatccttcat	ctcctccttc	tcctcctctc	tgtatttctg	tttatcactc	attttctaca	119880
ctcaaaactt	tattaccgtc	atcacgatgg	tacttgccat	tttatattca	tctaacacat	119940
ttattgagca	ttttttttta	aatgtcaaaa	atggggtttg	atcttggggg	atagaaaaga	120000
aaaagctaca	gttgtgaagc	atccatcatt	ctcagcaatt	atcttgttta	tttatacaat	120060
tgcctatttg	cgagcatcga	agtcacagag	cctgtgcttt	cactgctgta	tgttgggagt	120120
gctggctgtg	ggataggggc	tcataaaaag	cttttgaagg	aatgaccgaa	gccatcacca	120180
ggagtttacc	gtagaggaga	catgagcacc	tgatcacagc	tcaactgtgc	ttgtgatggg	120240
gtgtggggaa	tgtcttcaga	actgcagtgg	agaaagcact	ctgactttgc	ctacgggtgg	120300
tgggaggttt	tcctggagct	acatctgaaa	ggatgaaaag	gagtaagtcc	agtgaaggag	120360
gaccgagggg	atgggaacat	tctaggcaga	gaaagggagc	agaaagctca	tgagtgaggg	120420
gctgagaaca	aacttgatgc	attcagggac	tatttagctg	aaccaagctc	ggggaggaca	120480
agatggccag	gtgtggactg	gagggagggg	ggtaaaaaag	gtgagcatgg	gctttgtacc	120540
tcgtgagtat	gggagcatgg	ggaaaggagg	cacgtgttgg	cattgggtgga	gcccctcatg	120600
agtatgggag	catgaggaaa	ggagactcag	gttggtattt	gtgaagacac	tcttgatttc	120660
agtgcagaac	tcattaaaaat	agtgaagat	taaagcaggg	tgacctttct	aggaagccaa	120720
gggagggcta	atgatggtgg	gagcactgtg	atggtgggag	cattgacagt	gatggtgcaa	120780
ttggagggaa	gatgacaggt	tcaagcaacg	ttgggctaaa	aacagactga	ccttgagagag	120840
atgaagggct	cactctgtgg	ggaaggcgag	acgtggagga	cacacgcctc	tgctgtattt	120900
tggaatgagt	tttactgtca	aaacaattga	acctatgtta	tttatcactg	ttttttcttt	120960
tctttttttc	tttcacaaaa	ccagttgctg	tgctctagtg	ggtcagggtga	gccagctcct	121020
aggtaaggag	agttgtgtgg	ggctcctccc	tcaagccgcc	tgcgcacttc	attccagcct	121080
ctgcacaagg	ctgtggattg	tgtttcccg	tccaggctctg	ctgtcctttc	ctgtcaccag	121140
catctcccag	agtctggcag	ggggtttgtg	gatcgacagg	tccacctgtc	tgtgcttgtg	121200

283148US0PCT.ST25.txt

tttttatacct	tttctgtgct	ttcctactta	ctctaggaag	gaattggaag	tgtttgagcc	121260
aggcactgtc	agatactgtt	ttagttctga	agtaccctct	gcttgaaata	acgttggggg	121320
gagcttgtaa	cttgtagaag	aaaaggagga	ggcactaaag	tgaaccgctt	ggtgttcaga	121380
acttcgcagg	ctctgtgctt	atgtgtatgt	gtgtgtacac	accagcactg	gctatgtgca	121440
aagaatgcag	tgtttgggga	aaagcataga	at ttggaatc	ataaacctga	ggtttgtcag	121500
ctatgtaatc	gcagtgtttg	gccactctaa	acttcatttc	catcagctgg	aaaataagat	121560
gaataaatca	tcagtccccg	acatctatga	ggaagacatg	aaataactat	tgcatggtaa	121620
gtgttttagtt	cagtgggtga	tgacaatgat	tatgacatac	gattatggaa	aaagcccctt	121680
tcctttccaaa	atccccaaaa	tgaacaaata	catacgttgt	tatggtataa	atctggtttt	121740
catgtttatac	aaggagttat	tagaacaatt	tggaaattct	ttccaaatta	aagctctttc	121800
tgtatgttga	tctaatttta	aaaattttct	gtttttatgt	ataaaaagca	atcaggggcca	121860
ggtacgggtg	ctcacacctg	taatctcagc	actttgggag	gccgaggtgg	gtggatcacc	121920
tgaggtcagt	agttcaagac	cagcctggct	aacgtggtga	aacgctgtct	ctactaaaaa	121980
tataaaatta	gctgggggtg	gtggtgcatg	cttatgatcc	cagctactag	ggaggctgag	122040
ccaggagaat	tgcttgaacc	cgggaggcgg	aggttgcagt	gaatcaaggc	tgtgccattg	122100
cactccagcc	ccggtgacaa	gagtcaaaac	tctgtctccc	gcctcccccc	caaaaaaac	122160
gcaatcagcc	atgattataa	aaaaggaaaa	atgtgttact	gaaatttact	taaaatgttg	122220
acaaaaagat	gacaaaataa	tactctggaa	tacaagccta	gtataaatgt	ttttatttgt	122280
tgcatttaca	atttaaagca	gaaacttggt	taagtttttg	catcgcacat	agccaaaagg	122340
aggatgtggg	cgaagtggcc	aatgtcattg	tttaggccct	gtgcctggaa	tgtggcgctc	122400
ccactggtcc	tgctcacagc	tctgccatgc	cccctgacct	tggtgtgctg	tttcacaaga	122460
gcatgccctg	gtgcaggatg	agggacaggt	ggctggagag	gatgggcagt	caacacagtc	122520
catccttggt	tttggaacaa	catgttcact	tgtgtgcaat	gttgggattc	gtggagaagc	122580
tggctggaaa	gttggtaaag	tatccagaag	acaaggtttt	gccccagcta	ctcatcatct	122640
gaacagccag	gtagattcta	ctttgcagac	tgagcctaag	ccttgaactc	tatcgggaaa	122700
taaacagaga	tggtgaactg	cgatggaacc	caagtgcagt	tagttacagc	aaacacatct	122760
catgtgaata	cataactccg	ttgtgaatac	ataactctgt	tttccaccct	taatacccat	122820
cacatctaac	ccaatacat	ccaggaagta	tgtagggtct	ccacgacaca	gaccatcatt	122880
gatgtccttg	tctgatgagg	gcaggggaag	agctgataaa	acacctggag	acaattctgc	122940
ttggagaagg	tagcttgagg	acccttgctt	tgcttctgag	catgacaacc	agcaccactg	123000
ctctggggcc	taatggcaca	tgccccatt	gctgaacctt	ggctctatgg	ttcataggtt	123060
acaattagca	ctattgtgta	attctgtgtt	ttctagttaa	ctgcacaccg	tcttggtctt	123120
tcaccatgta	cgatattcct	tatttagtcc	ctggaccttc	tcatctggac	ccgttattac	123180
ctcttcccct	ttcgtgtccc	atctctgctt	cctaagccaa	tcaaagctcc	ccatatgggc	123240

283148US0PCT.ST25.txt

tgaggcttca gcttctccac aaggttccct cccagaaaagt accttatctc cataaactga	123300
agtgcatttc catcctcaaa tccagtccca gatgccctcc actcaggagt cagctctttt	123360
tttttttttt ttttttttgg tagaatttgc ctatatctct cttatggtat tgatcatttt	123420
atagctggtg gggttggtat ttgtggatgt gttttggcat tccttctgga ctgtaaactg	123480
ccaagaacat gaccatgtct tggtttttta aaatactttt caacatttat cacactgttt	123540
ttccattat aggtgcttag gaactttatt gtagggatgg caaggctcgac tcctttgttc	123600
ttgcctcagt ctgagtgttt atgccataaa aacaatgtct gtgcaacaat ggcaacaaca	123660
acaagaagtt acacacagtt ttatttcctt ttttagtctc tacctaaaaa gtttgcactg	123720
aaaattggac catagaatgc ctaaaattca ttcattcaac aaatacatat tgattatgca	123780
cctactatgt tccaggtaca ttaacgtatg cctccccgc cccttcaaaa aaaatccctg	123840
ccttattaaa cttatattct ggaagaagaa gacagataat aaactataga cataataagt	123900
acataatgca gtatggtaga atatcataaa tattgtacac acaggaaaac aaagatatgg	123960
gtgatgcgct aagggcaatc ttaagcaggg tggtcaggct gaacctgatt gagacaatgt	124020
gacaattcag atacagagag aggtgagcaa agtttgcat taatatgata attgttcaga	124080
ggcataaatg gaaaagaatt tctatttggg atgtaatttg taaataaggc ttgtgggttt	124140
tcaacattag ctactttttt ctttagcctt tataagtctg ctagaaataa tgaaatcaat	124200
tgaataatga ggtagagttt ttattataaa ggggagattt atgaaccac aataaatggc	124260
tttgaatctt agttttcaat caaggaccag agtaccta atttaatctg tctgtctgtc	124320
tatctatcta tctatctatc atctatctat ctatctgagt ggattctctt tagtcttctt	124380
tctcatctct aatctacctg gatgttgttt tgctatttta gtttcctaga atagcatttc	124440
ctctttgact tttcctttta actctgcttt ttgtctttgt ggtgactaat tgatgtgtta	124500
aaaaaataat atttataata tttgtattgc atttcatcac agctctgtag ttaaaaagta	124560
taaaaattgt tttcaaaata aataggttta ataatacata aagccaaggc tcgagatgac	124620
tatttttcat tacaaaaata gtcatttaga taattgactt ttcatttaga taattatttt	124680
catttagata attgtagatt cacctgcagt tgcaagaaat aatacagaga gacttgaggt	124740
accacttgcc ccccatggtg atattttgca aaaacatggt ggaactatta cagccaggat	124800
atgggcggtg acacagtcca ctgattttat tcagatttcc tcagtagtgc cagtagtgtg	124860
tgtgtgtgtg tgtgtgtgta tgcattgtga tttgagagtg tgtgcctgca tgtgtataca	124920
tgtgtgcaca tgcattgtgtg tacacgtgcc tgtgtgcaca cgtgtgtgca tgtgtatgtg	124980
tgtgtctctg tgtgtgttaa gttctatcca cttctctcct gtgtaagttt ttatattcac	125040
taccagagtc aagacactga acaattccat agcctcttcc ctctcacccc acttccccca	125100
tccctaactt ctgggtaccg taatctgtct tccatttcta aaactttgtc atttcagaaa	125160
cgttacaaaa aaagaatcat atgtcatctt tgagaattag atttttccac tcagcataat	125220
tttctgaaga ttcattcaac gtgttgtatt agtacttggg tcctttgcgt ttctgaacgg	125280

283148US0PCT.ST25.txt

cagtcctcag	tagggaggta	ccatggttta	tttcaccaat	cagctgttaa	ggatgcctgg	125340
gctgattcca	ccattgggcc	attgggtgat	gatgaataaa	gctgctccgt	acattcctat	125400
acagctttcc	atgtgataca	taacatttgc	tttcataatt	actcttgatt	aagattcaga	125460
atttgaatgt	tgaccttgaa	ttttaacata	atttctctgt	ccttatgtaa	aattggcttt	125520
agtaaaattg	gttgccaatt	tgtgttcaga	tgtatatgga	taaggaaact	ttccaaagca	125580
aatatataaa	atgtttgaca	gaagtacaga	agtattaatt	acattttaaa	tttttataga	125640
gaacctcaat	gaatgaaatt	ggggatttta	tagcattagg	taggaaatta	tataacaatg	125700
gaatttgttt	ttaaatagaa	acattgtcat	aactgttctt	aaattaaggg	gttgaattgt	125760
gtccccc aaa	atgctgaagt	cctaactctc	catgctcact	caccagtgtg	acctcgctta	125820
gaagttgagt	ctttgcagat	ggttaagggtg	aggccattag	agtgccctcta	gtagaatatt	125880
actgatgttt	ttatagaacg	ggaaaatttg	gacacagaga	cacctgtaga	agaagatgat	125940
gtgaagacac	acagagagag	gacagccacc	tacaagccaa	gggaggccaa	ggccagaaga	126000
cactggggaga	gcacgggggaa	cagattttcc	cttggaagga	tccggtgact	tttttttttt	126060
tttttttgaga	caaggctctg	ctctgtcacc	caagctggag	tgcagtgggtg	caatcatgtc	126120
tcgctgcagc	ctccggctcc	caggctcaag	ggatccttcc	acctcagcct	cctgagtagt	126180
ggggaccaca	agtgttcccc	aacattcctg	gctaattttt	gtattttttg	tagagacacg	126240
gtctctctat	gttgcccagg	ttggtcttga	actcctaagc	tcaagccatc	tgtttgcctt	126300
ggcctcccaa	agtgctggag	ttacagggtgt	gagccatgct	gtctggcaga	tccaacacct	126360
gaatctcaga	cttctagcct	ctagaactgt	gagacaatac	atttctgtca	tttaagcctc	126420
tagtttggtg	tactttatta	tagaagggtc	aggaaacaaa	tatgatatat	tattctgcat	126480
gtatagaaac	tttaaatttc	tgactagtct	atcaaagcaa	cactttttac	tttatctgtt	126540
ctcaagactt	aaaaaataac	cttgcattga	tgggaatttg	attggagttt	ctccttccca	126600
tctcttttagg	aatctttctc	agtagcaccc	ctgctgtgtt	tctctgttgt	tttacctata	126660
tatttagaca	gatcccaa at	tatgaggaaa	agacaaaaca	ataaaaaagc	aaaaagaaaa	126720
caaaagacta	acttttgatt	tttgccatcc	cccaatttac	agccaatccc	ttatcccttc	126780
ctgcccattg	atggttggaa	tttttttttt	ttttttttga	gattgagcct	tgttctgttg	126840
ccagggtctg	agtacagtgg	cgcgatctcg	gctcacttca	acctctgcct	tctgggctca	126900
agcgattctc	ctgcctcagc	ctcctgagta	gctgggatta	cagccatgtg	ccaccacacc	126960
cagctaattt	tctgtgtgtg	tttttagtag	aaacgggggt	tcgccatgtt	ggccagtctg	127020
gtcttgaact	cctgacttca	aatgatctgc	ccgcctcagc	ctcccaaagt	gttgggatta	127080
caggcgtgag	ccaccatgcc	tagcttttgg	atttctta at	aaataatctg	tcccaacatg	127140
aggcagagga	agctgaggtc	taccagatgt	ccgttttcct	tcctaggtgc	agaattctca	127200
gtgcttagct	gagtgcgtca	tcattctggga	taaaggctgc	atctcctagt	cttgcttaca	127260
cttatttgtg	gtcttctgat	taaatcatgg	ccagtga gat	gggtgtggga	gtaagcgtgc	127320

283148US0PCT.ST25.txt

ccgtaaaaaag	ctatgagaac	taggtactgt	aatttgggaa	ccatagatct	atccactgta	127380
gtttgggaac	cataggccta	tcctctgcag	tttgggaagc	ttggatttat	ctacttttctt	127440
atcatctact	caccccatct	ccttgaatga	ctgacgttgc	ttgctgagtg	tcactaggaa	127500
ccacattact	gcccagtcgt	atggctttct	taatctatta	gcctctgcag	tttctgcaga	127560
gtctgacca	gtggaaactc	tccatttccg	gaaagctcca	tcctgaggct	cttttgcttc	127620
atctctcttg	cttccactgg	ttctttttct	ccttcccaac	ccctaaatgt	tgttctctca	127680
ggcttttccc	ttaacctctt	tttctcatct	agtctttcct	caatctaagc	caattgcatc	127740
cattctaaga	tgtcaacttt	cattctaggc	aaacgacttc	cacatcccca	gtttaatccc	127800
tctgactgct	gaaccctagt	ccatgttttc	aactgcacgg	tatccatctc	cacctgaacc	127860
cccacccttg	cctttgacat	aaactattca	aagcatttga	actcaacctt	gctttcaa	127920
gagctcccct	tttacctgtt	tcttgcaaaa	gccttgagcc	cttgctgccc	aattctcggc	127980
ctgagagtta	ccccagtgcc	ttcccccaac	cctcccatc	ccttctctct	gtttcacctt	128040
cattccaacc	ccatctgcct	ttgggttccc	ttgattcaca	gatgggttgt	acctctaact	128100
cctggctatt	cttttctacc	tccagttttt	tgtttctcca	atccatccct	gccagatcag	128160
atcttctgaa	atgcagttct	aatctgattc	tccctagcaa	aaccttactt	caagcccagc	128220
cttttcaccc	tattgtgtga	gcttctctct	tcagttcttg	caggatctat	aatgtgcacc	128280
accaacggga	ggtgtgcggc	ctgagtcctc	tcggctcagc	acgtttgctt	gtttgtcctt	128340
cctccagccc	aaaattacca	caaaagtgtg	tttttatcca	acaaacacct	tcagagccac	128400
ttattatatg	ccaggcactc	ttctaagcaa	tttgtaaata	tgaatttttt	ttaatcctca	128460
taacagccta	ataccagaag	ttctattgtt	attcccattt	tacagagaac	actgaggtaa	128520
agagaagttg	aataacttgg	cccaggtccc	cagtgttctg	taagtggcag	agctgggggt	128580
ggagcacgaa	cccatactgt	taccagtga	agcagtgtac	caaaatttta	agtagagatc	128640
actgttctgt	aactcattaa	gtttttttta	aaaaatagta	attatccctt	aaaaccatta	128700
caaaaacaga	gaatgaagaa	ttaaaaaaa	atagatttgt	tgtaaattccc	cagaaagaaa	128760
attaagcagg	tctccatcaa	agactcataa	tagaggaact	caaaattttg	gtcttctaaa	128820
agaagacatg	gactttgggt	actattattg	tttaggtttt	tctccagtgg	tgatgaagta	128880
aaaggagact	ttgacctttt	catagacctt	ataagttggg	ctctggcatt	tactgtttta	128940
tgctctaaag	gttcaatata	caaaatgtag	aataaaaaaa	tcctcttgcc	ctgggttgcc	129000
atctctgaca	gctgtgcttt	gattattgtg	gcagtgtctaa	gagggttcag	tgaggttggt	129060
agtgttagga	caagacagcc	tgagttaaat	ttcaatcctc	acacttacca	gatctgtgta	129120
cagggtgcat	cacctgtcaa	atagaggtga	taccagtggc	taccttactg	aggaatggga	129180
gagttccact	gaggtaatat	gagtaaaa	gctcttaaca	ggcataagca	cttaaaaacg	129240
gtaattatca	tcatggcgtg	atgtatttgc	ccatgttcac	actgcttgaa	agatactacc	129300
tgagactggg	taattttata	agaaagaagg	cttaattgac	tcacagttct	gcatgactgg	129360

283148US0PCT.ST25.txt

ggaggcctca	ggaaacttac	aatcacggtg	gaagatgaag	aggaagcaag	gcaagtctta	129420
catggcggca	ggagagagag	agcgtgcagg	gaaaactgcc	actttttaac	catgagaact	129480
cactatcatg	agaacagcat	gtgggaaacc	tcctctgtga	tccaatcacc	ccccaccagg	129540
tatgtcccc	ccttgacaca	gggggattac	aattagagat	gagatttagg	tggggacaca	129600
gagccaaacc	acatcacatg	ctattcaata	ataatagaat	tgctctgcaa	aataaaaaaa	129660
atgaagctaa	caaattttgc	ttataacttt	gcaggagtat	tggaagtttt	tattcctact	129720
gccaacaaag	actattttatc	tgggtatactc	atagtgcctt	taaaaaatta	cacagcactg	129780
ccctgtttat	ttttagtttt	gtaatagaat	tcatggattg	gttgttcata	gtctttacta	129840
tggcatcatg	agccttaagg	aaagaacaag	gagatttctg	agagtcccag	cgggttatac	129900
tgtgaatttt	actcatgtta	ttcttacact	gggaacagca	aggaacttga	cttgactttt	129960
accctggcag	acaatcttga	aacagttttt	caaataaaaag	atgttatttt	taacaggaaa	130020
caactgatac	taaagatctg	actcagactt	tactctcctt	caaatgatgt	ttgaagttca	130080
gcttgctctg	agctgttcat	tatgtgccta	ctatgtgcag	gcctggagggt	aaacaagact	130140
cagccttcat	tatcaggggc	tcatactcca	gtggagaagc	cagattcatc	aacagatgat	130200
ttccaagaag	tgtggggagc	acacatggtc	ccagaaactg	ggaatccagg	agatactcat	130260
tgcactgtcc	tttaggctga	aattcaagtt	ggagcttcct	ccttgagtcc	cttgctcagtt	130320
tctgcttcta	tgtagctgac	tgtccatctg	agaggacgca	ttccctatct	gaggctcatca	130380
aaagacctgt	ggcagccagg	attcaagccc	aagtgtcctg	tctcctagct	ctatgcttgg	130440
gcacaccaag	catagagctt	gggtagagat	gttgggacaa	aaaccaagtc	aaataaacia	130500
aaaaccagg	tcttacattt	aaggatccgt	agagcctaca	acatagtttt	gtgtctcaaa	130560
tttaagccac	aaagtctctg	taaccgtcat	tcactctagca	tatagttggt	aaatttctcg	130620
tatgtggcag	gcattttttt	ccaggctcta	gaatttagaa	gagggaacga	tgaattaatc	130680
agagattgct	gagatagaga	caaaccaacc	aaccaacca	acaaccagcc	agccagcaag	130740
caattagccc	tcgctgtgca	catccttcag	tgattatggt	cagcagaatg	tggaaggaat	130800
tcatttggtt	atttcttttg	agggatgaga	gagttgagga	ttagcctctc	caggaattgg	130860
catcaagaat	caacagggca	aagctgaagg	ataagccaca	attaggcagg	atgcagaggt	130920
gagactgaag	ggagagaggt	cagaaccag	agaggaatgt	atgcatggat	cattaaggac	130980
tggaactggc	aaacatcttt	gtagataata	atgggaaact	aggtataaac	aagggaaaac	131040
taggaaacta	tacaggttct	aatagagagt	ccgttgctgc	cctgggaagt	gtgctttttt	131100
tctttgactt	aaccaccgta	gagcggctca	caaggagcac	agatccactg	aatgcctga	131160
cgattgggag	agacgaaatc	tctgttgtct	gtttatattc	ttattttatt	aggtctgttt	131220
catgtcttca	agatccacga	gtgtaggaca	cgatgccatt	ttccctgtat	gtcttcgggt	131280
tctaagcaat	taagaaatat	aatttctttc	tcaacattta	ctgatgtgga	aatttgggga	131340
tctgagccag	ggggcttgcc	atcatccggt	cattggaaaa	gtgcataagg	gaacacaaag	131400

283148US0PCT.ST25.txt

ctagagtacc	taggttggga	aatctgcttg	cctgcaaadc	cagctcaagt	tggccaggaa	131460
accctgccct	atagatggca	aaatgtaaat	cccctgagac	tagttaaaga	caaacacatt	131520
tcattgagtt	ggggttttgt	tacaaaatag	gtaaacgtgc	atggttttcca	ggccaacggt	131580
attcagacta	ctaaggctctt	gaccaagttg	gcagttcttt	ctagaggcct	tagttccact	131640
ggaattagca	ggttcattaa	aactaaaact	caaagaggga	catgtcagct	agccaggaaa	131700
ctgagttgac	taggtcctct	tgaaggtttc	attgtaacat	tgggtaccca	tccaagtcct	131760
agtggccttt	gtctcagatt	gctgcataaa	agtggctcaa	catgaaggcc	aatgtgaaga	131820
catattggat	aagggaattc	atttctgttt	ctttctgcca	ccgcccctca	tttattttat	131880
caccataaag	atgtaattca	catatcatga	taccaacttt	taaaaggagt	gtagttcagt	131940
agttgttcgt	gtattcacag	agttggcaac	catcttcacc	atctaatttc	agaatgttct	132000
atcatcccaa	agagaagccc	catagccatg	acacccctt	tctcttgact	cctagtccct	132060
tacaactact	agtccacttc	ctgtcatgat	tgacttgggt	actctggata	tttcatataa	132120
atggaatcat	acgttatatg	ttgtgtctgg	cttctttcac	ttaacgtaat	gtttaaagggt	132180
tcatgcacgt	tgtagtgtgt	gctagcactt	catttctttt	ttatgactaa	ataatattcc	132240
attaaagaga	tatataccac	attttgtttc	ctcattttct	aacttttcag	taagaattta	132300
aaaaaacaca	ccaatacaat	atgctgtctt	ttaacatgct	agccctaaca	tggtaatgcc	132360
tggaatattg	tccacgaatt	tctctggtgt	ttctttggtg	acttgtttac	ttcctcagtg	132420
atgttgact	gttggtttct	gaccctgtct	gagtcctgtc	tgttctctgg	cttgagagtg	132480
gctttgactg	agctttggga	taggactgct	gttggctctgc	agttatcacg	ttcagacttt	132540
atctgagatg	cggactttgg	gccagataaa	tgcaggattt	tctgaactca	ctggtgagga	132600
aaagcatttg	ctaccgctgg	ttcttcgaca	gcatataact	ttccctaagt	caggagtgcg	132660
tgtgtgtggt	tgctgggtgt	gggtgaagat	aatcaatttt	atgcttctga	taacctttca	132720
agatttgag	caaaagaact	tggtggccct	gaagactctt	tttcctcttc	ccattcctgg	132780
gtctaacagt	tacagtcatg	gctgttctga	agctgagcac	ttggtggtgt	ccatgacttt	132840
aataacatgt	gctgggagcg	gtggctcacg	cctgtaatct	cagcactttg	ggaggccgag	132900
gtaggcggat	cacttgaggc	caggagtctg	agaccagtct	ggccaacatg	gtgaaacccc	132960
gtctctacta	aaaatacaaa	aattagccgg	gcttggtggt	gggcacctgt	agtcccacct	133020
actaggaggc	tgaggggaggt	gaatcgcttg	aaccaggag	gcggatgttg	cagtgaagcaa	133080
gatcttgga	ttgcactcca	gcctgggtga	cagagcgaga	ctccgtcaaa	aaaaaaacaa	133140
caaaaacaaa	caaacaacaa	acaaaaaaa	ccctaaacag	tgctggggac	aggcaccaca	133200
acttaacagg	gcatctgccc	tgtgaagcca	cagaggtagg	tggtgggtgt	cttgagggtg	133260
ggggagaaa	gcaagattgc	tgctgggcaa	agtggagaca	gtgagggttca	agccaccatg	133320
cgtcccagca	ggtgtggagg	tcacaccact	cagcaggtgg	aggatgcacc	gtcaccacct	133380
gtgaggcagg	gaccttcctg	tgggttcaca	gaggagccct	ccagcaatgg	agtaacactg	133440

283148US0PCT.ST25.txt

cagctggctg	ctctgctcag	ggtcgcagcc	cagggtagag	tggaagacag	aggagcaggc	133500
tggtgaggac	aggctgctga	aggcttccac	tttagtcttc	acatctaact	cggggcggct	133560
tcatagcagg	gagatagtca	gcaagaactt	ccaaatcatt	ttcaaagtct	atcaggaaca	133620
tttctggctc	agaatctcac	gctccctcct	ttccagagct	acgttccttt	gtattttcta	133680
tagaagcaga	cgtaggatct	aagcatatgt	ctctgaggg	gcctggacta	agaaatccag	133740
gagattcagt	gaagaattgt	gttatgtttt	tttttttttt	tttttttttt	tttttttttt	133800
tttttttttg	tcgtatgctt	ggcagagagc	aggtaattgg	gcccattcatt	atttagggct	133860
aaaaatttgt	tgatttgaga	ttttttggga	ttggctaaaa	cctacttcag	aacaacatgg	133920
gaaggaaaag	aaaagctatc	tttgtttcag	gaatgccggg	cttcagcttc	cctgggtgagt	133980
aaatgaagaa	actgcctgcg	actgcttggc	ctcagactgc	cttgccaagg	ctccttctgg	134040
cacaatttgg	gctttgaact	tctcccttaa	tttctgaatc	tgtgttgatga	taattggcct	134100
tggaaagggt	acgagagggt	gactctggcc	tgacacggag	gctctagcca	atgccagaga	134160
ggtaggcttg	gtgccagagc	tcacctcaga	cccacatctc	cagggagtga	caggaacaga	134220
aatcagcca	agctactgtg	acccagtcgt	tcagcaaagt	tcggagcggt	gcaatgcctg	134280
ccccaccct	accccagagc	aaggctgggc	acctgaacac	tgtgtggggg	actctgcgtc	134340
tgtgctctgg	ggaagggggc	tgtgaaattc	acctggagat	ctgttttaag	acctgcgctt	134400
tcgaaatgct	ctcaaactct	tttatcaaga	cagtacagct	tggacaaagt	tccacaatag	134460
agaagcagtg	acatcccctg	gacctccggg	aacagcagcc	ctgtctgtct	ctgaacgggc	134520
cttcctccct	caggctcctc	tcaccctcgc	gggctgccct	caggggagga	tggcctcacc	134580
cagtgaagg	taactggggc	ctttgtttgc	aatggcagg	acaggagctg	gtgctagctg	134640
atcatgaggc	tttttacagc	atcaaagtgc	tgcagtttac	taagaaatca	ggaaagcata	134700
ttccaaaaca	gggttgctct	ctaggaagga	acagagagga	ctctgccttt	ctactttcag	134760
gcatccagcc	ctgtatgctc	caccagggtg	tctgtgagga	gaggcagcgt	gagcaggccc	134820
agtggaagca	gggatggaga	aggaggggtc	tcccataact	cactgcagat	gctgagtata	134880
attaaaaatg	gaattacatg	tgtctaacat	ggtaaagagg	ctcaggtaac	tgagcgagg	134940
tttctccttg	aaggtagaaa	tgtctgtgta	aggagggtcat	tccacctttt	gggctacctt	135000
taaatgagtg	tttttgaagt	ggtattcttt	aaaaaaaaatt	tttttaaagt	caatctgtcc	135060
ttgttctctt	taaagcaa	atctacagag	atgtttatca	cattatcata	cctctggttg	135120
gaaacaatat	ttttgacttg	atggatttta	tatttttact	attagaagct	actcctttat	135180
tcccaagtat	aaaattctag	cttcaaagta	aatgcttggc	caatcaacac	caaataaggc	135240
aggaaaaaaa	aaaaaaaaac	gcagaaaact	cacaaagcct	cagattataa	ggggcctagt	135300
caggtttcag	aaactctagt	ccaacaggc	attcctaacc	tagcccaggc	agctcttacc	135360
tcaggcactt	agcaacgcgc	aggccttttg	aatttgctta	aaactattaa	gaagtaatta	135420
agtagttaga	gggtcttttt	cagccctgag	gtccaggagg	tgggctaaat	gaaagaaaac	135480

283148US0PCT.ST25.txt

aagcgcaatc gctcagcctt gtcttccttc tagctgacct tgcacgctaa taaattcatc	135540
ctgtatTTTT ctgctactgc caatttatgg cctacaggaa actaatcttg tacaataact	135600
accttcctgt acttagttcc taaatagagc caaatggatt tgggtggcgga agagctcccc	135660
agcacttcct gtgaggcagt tgctgagccc agcaagatct gatagaggct tgatgcgctt	135720
atcgactctg acgatataat tatgttcttg ttttggctgc cctgcactta agcacagaaa	135780
ataaaaaagc aatcctctgt acaacgccta ccacaatgat ttaaacttca aactggaggg	135840
taagatgtgt atttgaaaca agccacgtag gcacagttat ggtgaattta gggagtga	135900
cacacaggtg atcaatatTT cactggagtc tttgatataa aatatatatc tgctctgtga	135960
tttcaaaata ttcacaaagg agtaaTTTT ttaatgagct aatgaaagaa ctgtgttttc	136020
atttcaaacg ggaagagagg gagaaagaga gagagaatag aaatatagag ccatttcttc	136080
agtaatagtt tacaaccagt ttgccacagg cttggattaa agtaaggaaa ggctgtcaaa	136140
acgcagggta acctgtgtga tatcttttca gaccctcaaa tagctcaaat actacgctgg	136200
gaaaactcag agtttgtcct ttaaagaacc tgaaagtgtt taatctttga taagtgcagg	136260
ctcctcaggc tttgccgctt cccacaccg gatttgcttg ccactcacc ataccgatct	136320
gatgacttca tgtggacacg gatcggtccc gtatgacagc gtcttcttcc tgtgctcatt	136380
tattctagaa ctatagcaaa gctgctaatt caaaggggaag ctttctacaa aaaggatgaa	136440
gaaatcacc tgaccaagag accgaagcaa agatgaaagg aaggcataaa taatcgcagc	136500
tcgggtccga tgagacttat tgctggggct ttcagaccta gagaggtagc aggggcgggg	136560
tgggggtgcc tgtacgcggg ggcgggggtgt cccaccagc tgacctggat tagagccat	136620
ggggctgcat tccgggcttc cgtgtttccc aaagtatatgt ggtggcgggg ggcctggctg	136680
ttaaggatct ggggatgtgg ttacctatgg cctctgagg tgacaccagc tgtccagcac	136740
tgtgaaatca aacaatggta gtgggccaga aagatggctt agcttcctcc tgagtatgag	136800
caagtttccg taactgtgaa tcatccttcc ccaaccataa aagtgggcat attaatacct	136860
gtcttgtaag aatcctgtga agatcaggga taacaaatgc aacttaataa aagtaacctg	136920
ttatgtgttg gctggtgatg ccataaatgt attttgtaaa atctttataa tggtgactaa	136980
ccaatatatt attattaata gcaataggag tattgtctga ttcaaagggc gcatttagat	137040
tgtggttaatt ctgtgtgtgg ctggatggga gactggagg ggctggaggt tttaggatga	137100
gtgggacagg gattattaga agtggctaata aaagagatca aagaagtaac tttgttccta	137160
atttttaaaa tcatcattct acctactct cctaaaagtg atgaggatca taatatttat	137220
gccttacgtt tatacaggac tttatacttg aatatccctt ttacatctct ggtccgtttt	137280
agaaatttga gcctaaacat gggaagcaga aaaaaagtca atgtggaaaa gactgtgcc	137340
catcccagtt tggccagaat gatttcagat tgttatcaag aaagggaata gcggcagcat	137400
ggtttggttt tcctctctca agaggactgg acacaggga ggaacaggaa aaaacctcct	137460
gagcaaagca aggttcaga acagactagt tcaaagccta cacatggtta gtgctccgtg	137520

283148US0PCT.ST25.txt

gaggtgccag	ctcacggttg	gtgcaccgtg	gaggtgccag	ctcatgctta	gtgcaccgtg	137580
gaggtgccag	ctcacggtta	gtgcaccgtg	gaggtgccag	ctcacgctta	gtgcaccgtg	137640
gaggtgccag	ctcacgctta	gtgcaccgtg	gaggtgctga	ctcatggttc	gcgcacagca	137700
gaggctctgc	gttttgggat	tcgtctgttc	taattgtagc	ctttcactta	ctgccctaag	137760
actggcatgg	aaactatgtc	tttgagtgat	gaaagggcat	ccggtgtgtg	gaagctcctt	137820
gcagagtttc	tccatattgt	ctccttgata	gaatgtagct	tactgctggc	ttgctttgca	137880
catggcagtc	actcggtgca	tgctggtgga	ataattgaat	ggaagctcca	gggccatcac	137940
ctgcacacag	tccccggag	gccctttctt	ctctcatatc	tcagcttccc	actgctcagc	138000
ttgatgtcag	ggagacatcc	ttggctctcca	ggaggtgaga	gggaacagaa	cactaacacc	138060
ccagtgaaac	acagattgac	ttattgttta	gcagcaacca	ggcaggcatg	ggctccctcc	138120
ccgctgccag	catccacacg	cacctcctcc	gtagccatgg	taatatttcc	cacatgccac	138180
aagtccgtga	catggtccta	atgaatagaa	tgctttatgt	ttagcccca	acgtggtcac	138240
tatccatata	tttgaaagaa	aaggctcaaa	caaaaacaag	gacgcctgat	gcgaagctcc	138300
cagcctgtgg	gttctttgcc	atgggcctat	tggatgggag	gtttgggctg	caagacaagc	138360
tgtgacttta	cctccttgaa	tgtgctgatt	ctaaagagtc	gatttcaatc	taaggaagga	138420
cattgggggg	attggaaaaa	gtgaagagat	tgtacagaag	ctcacagcta	gcagggtgatg	138480
gaggctgagc	ccaggagtgc	tttttccact	ctcccaggct	gcttaaaaaa	taaattgtat	138540
ttgaatgtgc	tcacattaat	tttgctacca	gtttactgtc	gtcaaaatag	tgtcaatgaa	138600
tgcaagttct	taaaagacct	gcaagtccca	cctgggaggt	ggggcagcac	aggacatgag	138660
gagttgggtg	tgaatgagaa	tttgagaatg	ttcaattcat	ccctcattag	ccatgtgatc	138720
tcaggcagcc	cgctgatcat	ttctgtgtct	caggttccta	ctctgtgagg	gagagagaga	138780
gaataattgc	accccctttg	aatgtaagca	tctcccttag	gagatgaata	cacacggtgg	138840
agtgcagta	gccaagtttt	ttttttttta	tactttaagt	tttagggtag	atgtgcacaa	138900
cgtgcagggt	agttacatat	gtatacatgt	gccatgttgg	tgtgctgcac	ccattaagtc	138960
gtcatttaac	attaggtata	tctctaaatg	ctaccctccc	ccctaccccc	acccacaaac	139020
aggccccagt	gtgtgatgtt	ccccttcctg	tgtccatgtg	ttctcattgt	tcagttccca	139080
cctatgagtg	agaacatgcg	gtgtttgggt	ttttgtcctt	gtgatagttt	gctgagaatg	139140
atggtttcca	gcttcatcca	tgtccctaca	aaggacatga	actcatcatt	ttttatggct	139200
gcatagtatt	ccatgggtga	tatgtgccac	attttcttaa	tccagtctat	cattgttgga	139260
catttggtt	ggttccaagt	ctttgctatt	gtgaatagtg	ctgcagtaaa	catacgtgtg	139320
catgtgtctt	tatagcagta	tgatttataa	tcctttgggt	atatacccag	taatgggatg	139380
gctgggtcaa	atgggtatttc	tagttctaga	tccctgagga	atcgccacac	tgacttccac	139440
aatgggtgaa	ctagtttgca	gtcccaccaa	cagtgtaaaa	gtgttcctgt	ttctccacat	139500
cctctccagc	acctgttggt	tcctgacttt	ttaatgatca	ccattctaac	tggtgtgaga	139560

283148US0PCT.ST25.txt

tggtatctca ttgtgggtttt gatttgcatt tctctgatgg ccagtgatga tgagcattttt	139620
ttcatgtgtt ttttggctgc ataaatgtct tcttttgaga agtgtctgtt catatccttc	139680
accacttgt tgatgggggtt gtttgttttt ttcttgtaaa tttgttggag ttcctttctg	139740
agctttcagt ttctcatggc ccatatgaga tagtaacggt actcacttcc ccagactatt	139800
gcgatgatgg cacgcgatgg ggtgagtggg aggtttatca cacagaataa atgatacctt	139860
tggttatttt tagtgctgcc cttatcctgg gtcctaagat tctctgatct cttcctattg	139920
ggtgttcgtt tgactagatt ccaagaacaa aaattacttg acccactg gtagggctag	139980
gcaatctttc cagccctcct gggttggcag ctgatggata tcatctgttg gtctcactgt	140040
cctttactga ggacactggc aaacttaggg gggttttcat catgatgcca tgcactgaca	140100
tcgtgaggca tacctgtctc attacagcag agactcatgt gacctgggaa ccactgcagg	140160
tcaaaactac agcgcagtaa agccaggagt ttaccaaagtg ggtgcagagg ctgcccagggt	140220
gtttgggaat ttattttcat tggaaatttt tatcatttct tcacacataa ggatattagt	140280
tataagaagt ctgaattttt tttttcctaa caagtacaaa ctacttaca aatagttgca	140340
aggacaacag aaataatttt ttttttgctg gaccttttga gagtaagttg cctgcatgat	140400
atcttgtcat ccctgaatac gaatacttta gtgtgtattt tgtaccaaca caaatatgct	140460
cctacacaac cacagtagag ttaacagaat cagataatca acgttgatat attcctaag	140520
cctaattctc agaccctgtt catatttgcc ccagacatc cttaaaaaaca aaaggaacca	140580
tctcagagct acatgctgca tttggctgtt gtgttttatt aggctccatt cacctggaaa	140640
agttcctcag tctttctgtg actttcgtgg ccttgacact ctaatggctc taggccagtt	140700
acattgcagg atttcccca gcacggggct gcctgatgct tctcatgag cagattcagg	140760
tttagcgtcc ttggcaggag aaccaggag cgaccctggg accgcctcac tccgtgctct	140820
caggctggca ggactgcaat ttgcccgggt actgacgatg ttcacactgg tgacctgatg	140880
gagggtggtgt ctgtgggtttc ttcactcctt tcttcctttg taattaatta gtattacatg	140940
gaggactagc ttaaaactgt gtaaatactc tgctcttcat tcaacgttta atttattcat	141000
ttatgttgta tttatgtcag tatggatgtg tagttttcta tcttatttat tggattataa	141060
cctggaatta tcattactta tcttactgtt cacctttgct ggggtttgga agctgttccc	141120
actggccccgt gtgttgtcat tctctgagca ggtcctcaag atgtttctga gtcattgtgg	141180
accctgcctg ctctggatca tgggtcagct ggttctccaa aaagagctga atcccaagag	141240
gagaatgggc tttagatacc atgatctggg tgtacctcag tgcacagagc tggacagcat	141300
atgcatatag acacacacac acacacacac acacacacac acacacagat gtttatgtct	141360
atgtttgtct ctagctctgt ctatatggaa agccatgagt tggtgcta atcttcagtt	141420
cactcaagca cctcagagtc caccctactt tcttcctttg tatatttgtg actctcattc	141480
acaccctgtg ccaccctgc cattttctat cagcattgcc acctccccct gcacagtcctg	141540
attccaaatt ctgtatgatc tctgaggcca ggcactggcc tgcattcccag gccagcatcc	141600

283148USOPCT.ST25.txt

tccctgcca	gtaatgctgt	gccattcctg	tctggaccat	ccgcccacat	gaaagcccct	141660
tttcctccct	tcctacaccg	aagccctcct	tgccctgccc	agaggcacac	tttgctccag	141720
ctgcttcccc	cttaaaccct	attcattttt	ctgggtgcct	gccacccttc	cattcagtcc	141780
cttcccctgc	ttggacactc	tctctaccct	actcaggctg	aaagtcccat	ggtcctactc	141840
ctgcaggagc	ccggtcctca	ttgcactggg	gctctgacac	catgaccag	ccatgtggac	141900
cgccaccgtc	ccctaccaat	gcccagctcg	ggctcttgca	aacctcccc	aatcccatcc	141960
ttgctcacta	tgttcctctg	tggtccttc	catcggtgcg	gatatcccc	ttgtttggat	142020
acacacagtg	gcttttaggat	cagattgttc	agaaagtgga	agacctgaaa	aaatgtttta	142080
tagttagagc	taacttctag	aacacactgt	cactagaaat	tcatcagtga	gccctagaga	142140
gtagcaggca	ggaagatgag	ccatgtccct	caaatctgca	tgtcactcag	caaggctctt	142200
ggctgtggaa	ccaggcatgg	gagccaccct	gtcccagctc	ctgatagaga	ctcagtggca	142260
gtgaccagc	cagtaacctc	catcaaagta	ttctgcattt	agatagactc	taccacaccg	142320
agctatttgcg	ggaagcccca	tggcttcttt	cttactgttc	ctcttcaccc	actgggtggc	142380
tggatgatgat	ccccgaggc	aggggaaggc	agtagtgtca	gctcttactc	cagggtggtc	142440
agggccctta	gtgtcctcat	ttcgtgcctg	aaatctctag	aggtgttcat	cttgcatgtg	142500
ggctacgttg	tgtcctccaa	cttgcatctc	cccagaacct	tgttttattt	tctatctcca	142560
tttgaatttt	tctttttaga	ttccacatat	gagtggagatc	atgcaatatt	tttcttactg	142620
tgtctggttt	attccactta	gcataatgtc	ctctagcctc	atcgatgttg	tggcatatgg	142680
gatgatctca	ttcttttatga	ggtccaaata	acattctgtt	gtacatatgt	gacattattt	142740
attttagttt	attattttat	ttttccataa	ggtattgggg	aacagggtgat	atttggttac	142800
atgagtaggt	tcttttgtgg	tgatttgtga	gattttggcg	cacccatcac	ctgagcagta	142860
tacactgcac	catatttgta	gtcctttatc	cctcatcctc	ctcccagcct	tccccctaag	142920
tcctcaaagt	ccgttggtgc	attcttatgc	ctttgcatcc	tcatagctta	gcttccgtat	142980
gtcagtggga	acacacgatg	tttggttttc	tgttcctgag	ttacttcact	tagaataata	143040
atctccaatc	tcatcgagga	atttcttcat	ccatttgtct	gtcaatggac	acttaggtgg	143100
tttcataacc	ttggctactg	taaataatgc	tgcagtgcac	atgggagtg	caatattttt	143160
ataaggtagc	catttcctct	ctgttggtga	tataccagga	agagggttgc	tgggtcttat	143220
ggtagttcta	tttttcattt	atttaaggaa	gctccatttt	gttttccaga	atggctcttc	143280
caatctacat	tcctaccaac	agtgtacaag	aattctcttt	tctccacact	ctgcaaacat	143340
ttatcacttg	tctctggtaa	tagccatcct	aaagggtgta	ggtgatatcg	cacagtgggt	143400
ttgatttgc						143409